

exact bonds :
5-6

G1:O,N

Match level :

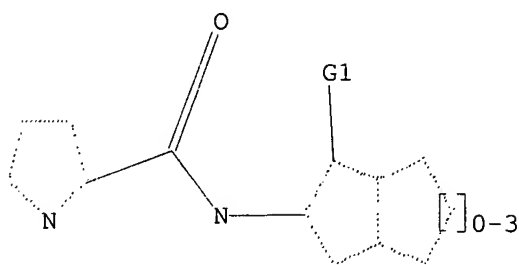
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:59:18 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 537 TO ITERATE

100.0% PROCESSED 537 ITERATIONS
SEARCH TIME: 00.00.01

14 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 9350 TO 12130
PROJECTED ANSWERS: 56 TO 504

L2 14 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 09:59:22 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 11331 TO ITERATE

100.0% PROCESSED 11331 ITERATIONS
SEARCH TIME: 00.00.01

270 ANSWERS

L3 270 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

161.33

161.54

FILE 'CAPLUS' ENTERED AT 09:59:24 ON 27 DEC 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 27 Dec 2005 VOL 144 ISS 1
FILE LAST UPDATED: 26 Dec 2005 (20051226/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

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=> s l3

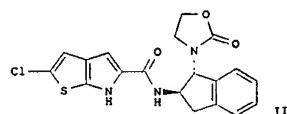
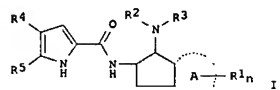
L4 7 L3

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L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2005:216669 CAPLUS
 DOCUMENT NUMBER: 142:297985
 TITLE: Preparation of thienopyrrole carboxamides as glycogen phosphorylase inhibitors
 INVENTOR(S): Bennett, Stuart Norman Lile; Simpson, Iain
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.; AstraZeneca UK Limited
 SOURCE: PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

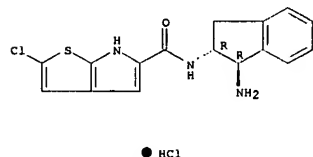
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005020986	A1	20050310	WO 2004-GB3622	20040825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			GB 2003-20241	A 20030829
			GB 2003-24788	A 20031024

OTHER SOURCE(S): MARPAT 142:297985
 GI



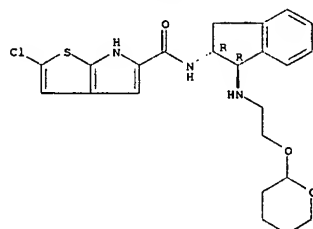
AB Title compds. represented by the formula I [wherein A = phenylene or heteroarylene; n = 0-2; R1 = independently halo, NO2, CN, carbamoyl, etc.;
 R2R3 = heterocyclic ring; R4R5 = -SC(R6):C(R7)- or -C(R7):C(R6)S-; R6, R7

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 Absolute stereochemistry.



RN 846546-20-1 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-1H-inden-2-yl]]- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



RN 847658-08-6 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]](2-hydroxyethyl)-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

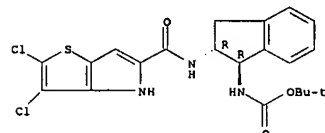
Absolute stereochemistry.

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 = independently H, halo, OH, carboxy, etc.; and pharmaceutically acceptable salts or prodrugs thereof] were prep. as glycogen phosphorylase inhibitors (no data). For example, II was given in a multi-step synthesis starting from the reaction of Me 2-chlorothiophene-3-carboxaldehyde with Me azidoacetate. I and their pharmaceutical compns. are useful as glycogen phosphorylase inhibitors for the treatment of disease states assocd. with increased glycogen phosphorylase activity (no data).
 IT 403859-99-4P 596847-02-8P 846546-09-6P
 846546-20-1P 847658-08-6P 847658-09-7P
 847658-10-0P 847658-13-3P 847658-14-4P
 847658-22-4P 847658-23-5P 847658-24-6P
 847658-25-7P 847658-26-8P 847658-27-9P
 847658-28-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (Preparation of thienopyrrole carboxamides as glycogen phosphorylase inhibitors)

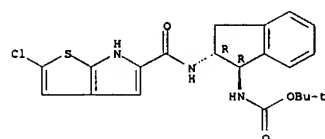
RN 403859-99-4 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



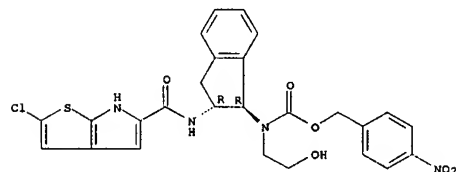
RN 596847-02-8 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



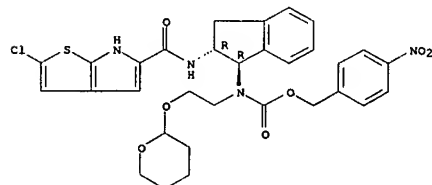
RN 846546-09-6 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 847658-09-7 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]](2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl)-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

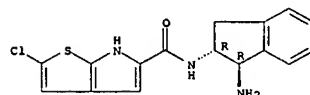
Absolute stereochemistry.



RN 847658-10-0 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
 CRN 596846-31-0
 CMF C16 H14 Cl N3 O S

Absolute stereochemistry.

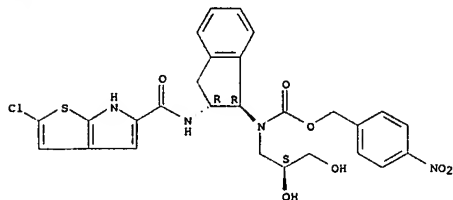


L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CRN 76-05-1
 CMF C2 H F3 O2



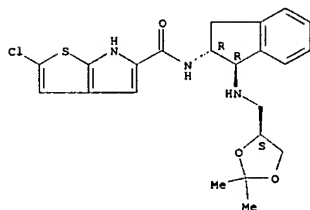
RN 847658-13-3 CAPLUS
 CN Carbanic acid, [(1R,2R)-2-[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl] [(2S)-2,3-dihydroxypropyl]-, (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 847658-14-4 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(4S)-2,2-dimethyl-1,3-dioxolan-4-yl)methyl]amino]-2,3-dihydro-1H-inden-2-yl]]- (9CI) (CA INDEX NAME)

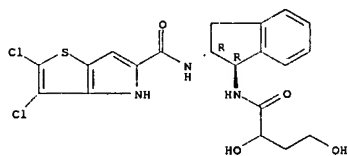
Absolute stereochemistry.



RN 847658-22-4 CAPLUS

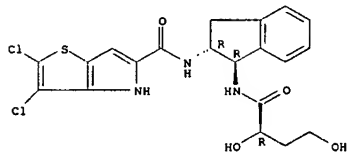
L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 847658-25-7 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2,4-dihydroxy-1-oxobutyl)amino]-2,3-dihydro-1H-inden-2-yl]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



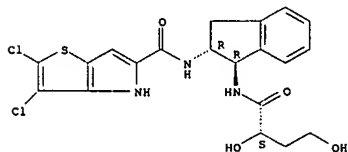
RN 847658-26-8 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2R)-2,4-dihydroxy-1-oxobutyl]amino]-2,3-dihydro-1H-inden-2-yl]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



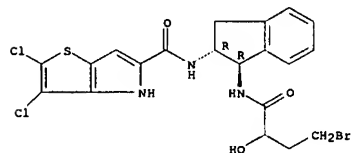
RN 847658-27-9 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-2,4-dihydroxy-1-oxobutyl]amino]-2,3-dihydro-1H-inden-2-yl]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



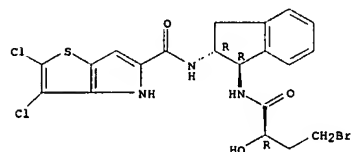
L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(4-bromo-2-hydroxy-1-oxobutyl)amino]-2,3-dihydro-1H-inden-2-yl]]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



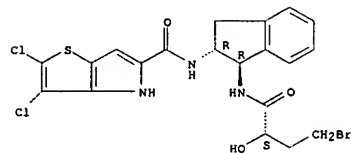
RN 847658-23-5 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2R)-4-bromo-2-hydroxy-1-oxobutyl]amino]-2,3-dihydro-1H-inden-2-yl]]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



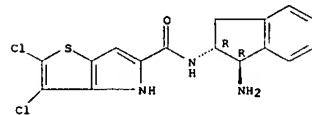
RN 847658-24-6 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2S)-4-bromo-2-hydroxy-1-oxobutyl]amino]-2,3-dihydro-1H-inden-2-yl]]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 847658-28-0 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]]-2,3-dichloro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



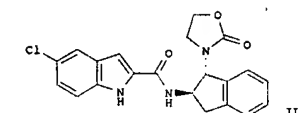
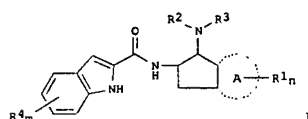
● HCl

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2005:21668 CAPLUS
 DOCUMENT NUMBER: 142:297984
 TITLE: Preparation of indole-2-carboxamide derivatives as
 glycogen phosphorylase inhibitors
 INVENTOR(S): Bennett, Stuart Norman Lile; Simpson, Iain
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.; AstraZeneca UK Limited
 SOURCE: PCT Int. Appl., 58 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005020985	A1	20050310	WO 2004-GB3620	20040825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TW, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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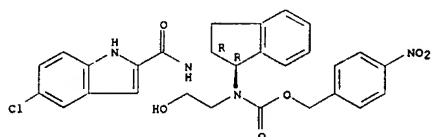
OTHER SOURCE(S): MARPAT 142:297984
 GI



AB Title compds. represented by the formula I [wherein A = phenylene or
 heteroarylene; n = 0-2; m = 0-2; R1 = independently halo, NO2, CN,
 carbamoyl, etc.; R2R3 = (un)substituted heterocyclic ring; R4 =

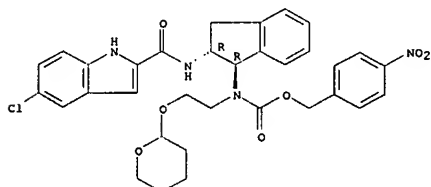
L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 (CA INDEX NAME)

Absolute stereochemistry.



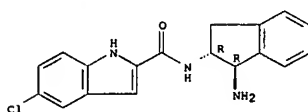
RN 847658-37-1 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-
 dihydro-1H-inden-1-yl]]-2-[[[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]-,
 (4-nitrophenyl)methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 847658-38-2 CAPLUS
 CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-5-
 chloro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

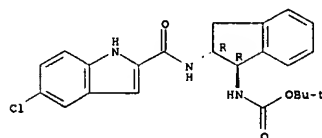


● HCl

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

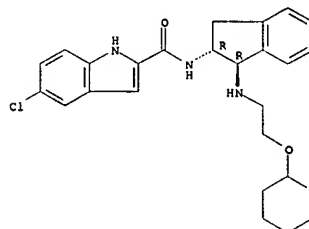
L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 independently halo, OH, carboxy, etc.; with a proviso; and
 pharmaceutically acceptable salts or prodrugs thereof] were prepd. as
 glycogen phosphorylase inhibitors (no data). For example, II was given
 in a multi-step synthesis starting from 5-chloroindole-2-carboxylic acid. I
 and their pharmaceutical compns. are useful as glycogen phosphorylase
 inhibitors for the treatment of disease states assocd. with increased
 glycogen phosphorylase activity (no data).
 IT 597555-50-5P 846542-86-7P 847658-36-0P
 847658-37-1P 847658-38-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of N-indenyl indole-2-carboxamide derivs. as glycogen
 phosphorylase inhibitors)
 RN 597555-50-5 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-
 dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846542-86-7 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[2-
 [(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-1H-inden-2-yl]- (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.



RN 847658-36-0 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-
 dihydro-1H-inden-1-yl]](2-hydroxyethyl)-, (4-nitrophenyl)methyl ester
 (9CI)

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

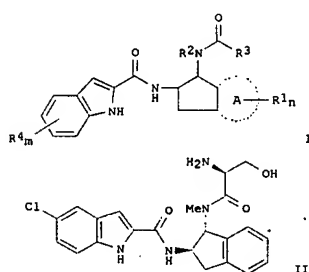
L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2005:182625 CAPLUS
 DOCUMENT NUMBER: 142:261398
 TITLE: Preparation of indole-2-carboxamide derivatives as
 glycogen phosphorylase inhibitors
 INVENTOR(S): Bennett, Stuart Norman Lile; Simpson, Iain;
 Whittemore, Paul Robert Owen
 PATENT ASSIGNEE(S): AstraZeneca Ab, Swed.; AstraZeneca UK Limited
 SOURCE: PCT Int. Appl., 74 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019172	A1	20050303	WO 2004-GB3552	20040818

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 GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
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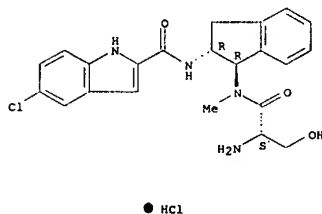
PRIORITY APPLN. INFO.: GB 2003-19690 A 20030822

OTHER SOURCE(S): MARPAT 142:261398
 GI



AB Title compds. represented by the formula I [wherein A = phenylene or heteroarylene; n = 0-2; m = 0-2; R1 = independently halo, NO2, CN,

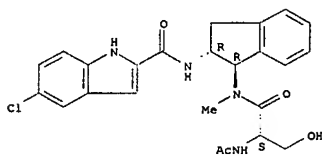
L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



● HCl

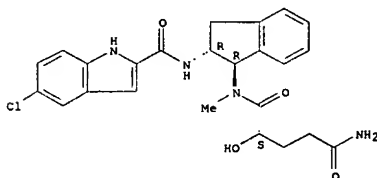
RN 846542-54-9 CAPLUS
 CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-[(2S)-2-(acetylamino)-3-hydroxy-1-oxopropylmethylamino]-2,3-dihydro-1H-inden-2-yl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846542-55-0 CAPLUS
 CN Pentanediamide, N-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 carbamoyl, etc.; R2, R3 = independently (halo)alkyl, CF3, hydroxyalkyl, etc.; R4 = independently halo, OH, carboxy, etc.; and pharmaceutically acceptable salts or prodrugs thereof were prepd. as glycogen phosphorylase inhibitors. For example, II-HCl was given in a multi-step synthesis starting from 5-chloroindole-2-carboxylic acid. II showed 173 μM thermodyn. soly. and plasma protein binding activity with Ki value of 0.5 μM. Thus, I and their pharmaceutical compns. are useful as glycogen phosphorylase inhibitors for the treatment of disease states assoc. with increased glycogen phosphorylase activity.

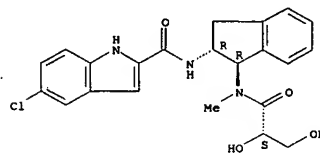
IT 846542-52-7P 846542-53-8P 846542-54-9P
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 846542-61-8P 846542-62-9P 846542-63-0P
 846542-64-1P 846542-65-2P 846542-67-4P
 846542-68-5P 846542-69-6P 846542-70-9P
 846542-71-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indole-2-carboxamide derivs. as glycogen phosphorylase inhibitors)

RN 846542-52-7 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-1-[(2S)-2,3-dihydroxy-1-oxopropylmethylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



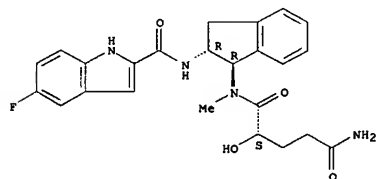
RN 846542-53-8 CAPLUS
 CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-[(2S)-2-amino-3-hydroxy-1-oxopropylmethylamino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

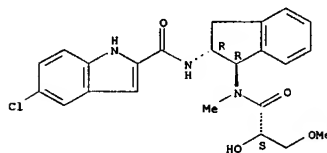
RN 846542-56-1 CAPLUS
 CN Pentanediamide, N-[(1R,2R)-2-[(5-fluoro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



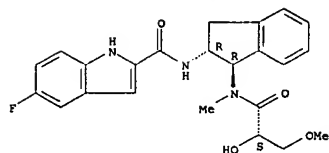
RN 846542-57-2 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-3-methoxy-1-oxopropylmethylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



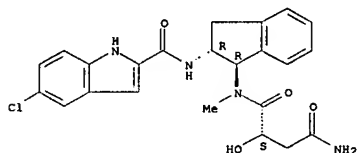
RN 846542-58-3 CAPLUS
 CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-3-methoxy-1-oxopropylmethylamino]-1H-inden-2-yl]-5-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



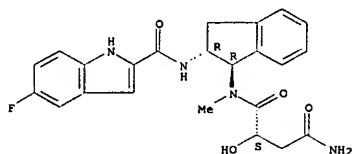
RN 846542-59-4 CAPLUS
CN Butanediamide,
N1-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



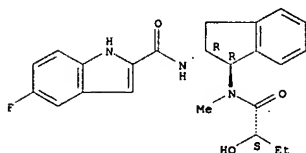
RN 846542-60-7 CAPLUS
CN Butanediamide,
N1-[(1R,2R)-2-[(5-fluoro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



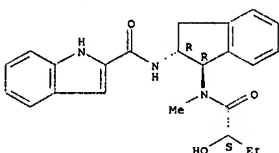
RN 846542-61-8 CAPLUS
CN Butanediamide,
N1-[(1R,2R)-2,3-dihydro-2-[(1H-indol-2-yl)carbonyl]amino]-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



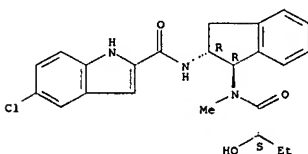
RN 846542-65-2 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



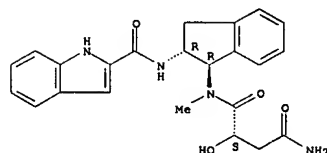
RN 846542-67-4 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



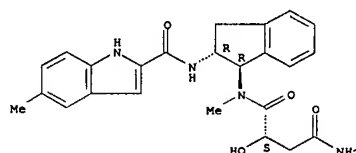
RN 846542-68-5 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-[(2S)-2,3-dihydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



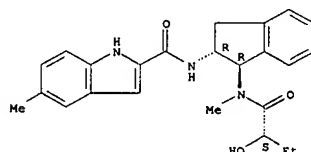
RN 846542-62-9 CAPLUS
CN Butanediamide, N1-[(1R,2R)-2,3-dihydro-2-[(5-methyl-1H-indol-2-yl)carbonyl]amino]-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



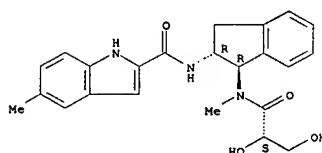
RN 846542-63-0 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-1H-inden-2-yl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



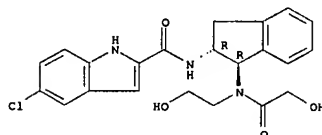
RN 846542-64-1 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-1H-inden-2-yl]-5-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



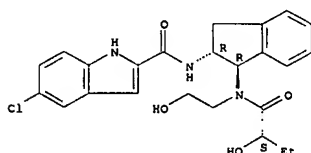
RN 846542-69-6 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



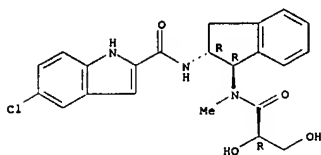
RN 846542-70-9 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846542-71-0 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-1-[(2S)-2,3-dihydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



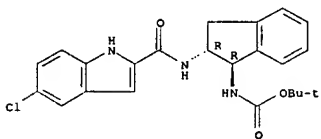
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846542-74-3P 846542-75-4P 846542-76-5P
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846542-80-1P 846542-81-2P 846542-82-3P
846542-83-4P 846542-84-5P 846542-85-6P
846542-86-7P 846542-87-8P 846542-88-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of indole-2-carboxamide derivs. as glycogen phosphorylase inhibitors)

RN 597555-50-5 CAPLUS

CN Carbamic acid, [(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

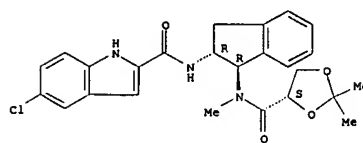


RN 846542-72-1 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-1-[[[(4S)-2,2-dimethyl-1,3-dioxolan-4-yl]carbonyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI)

(CA INDEX NAME)

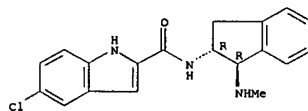
Absolute stereochemistry.



RN 846542-73-2 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

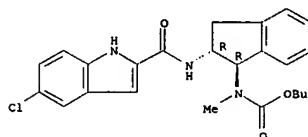


● HCl

RN 846542-74-3 CAPLUS

CN Carbamic acid, [(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-ylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

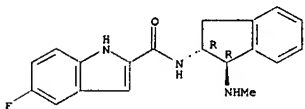
Absolute stereochemistry.



RN 846542-75-4 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-5-fluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

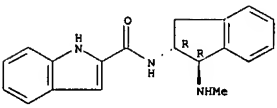


● HCl

RN 846542-76-5 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

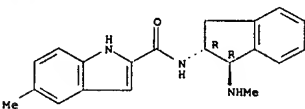


● HCl

RN 846542-77-6 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

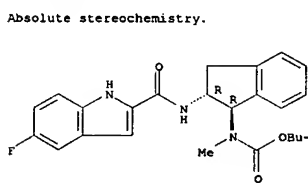
Absolute stereochemistry.



● HCl

RN 846542-78-7 CAPLUS

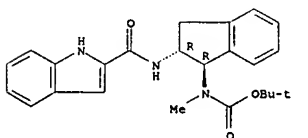
CN Carbamic acid, [(1R,2R)-2-[(5-fluoro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-ylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 846542-79-8 CAPLUS

CN Carbamic acid, [(1R,2R)-2,3-dihydro-2-[(1H-indol-2-ylcarbonyl)amino]-1H-inden-1-ylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

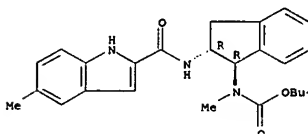
Absolute stereochemistry.



RN 846542-80-1 CAPLUS

CN Carbamic acid, [(1R,2R)-2,3-dihydro-2-[(5-methyl-1H-indol-2-yl)carbonyl]amino]-1H-inden-1-ylmethyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

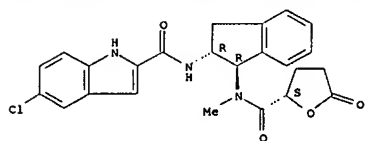
Absolute stereochemistry.



RN 846542-81-2 CAPLUS

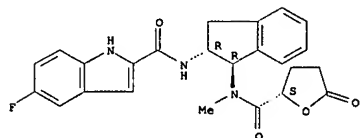
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-(methyl[(2S)-tetrahydro-5-oxo-2-furanyl]carbonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



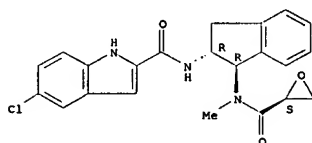
RN 846542-82-3 CAPLUS
CN 1H-Indole-2-carboxamide,
N-[(1R,2R)-2,3-dihydro-1-[[methyl[(2S)-tetrahydro-
5-oxo-2-furanyl]carbonyl]amino]-1H-inden-2-yl]-5-fluoro- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



RN 846542-83-4 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[methyl[(2S)-
oxiranylcabonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846542-84-5 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-2,3-dihydro-1-[[methyl[(2S)-
oxiranylcabonyl]amino]-1H-inden-2-yl]-5-fluoro- (9CI) (CA INDEX NAME)

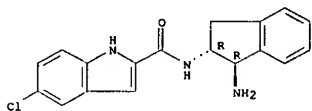
Absolute stereochemistry.

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-5-
chloro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 597554-85-3
CMF C18 H16 Cl N3 O

Absolute stereochemistry.



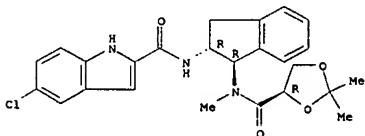
CM 2

CRN 76-05-1
CMF C2 H F3 O2

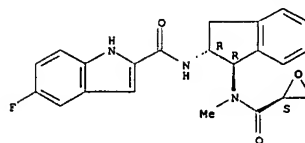


RN 846542-88-9 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-1-[[[4R)-2,2-dimethyl-1,3-
dioxolan-4-yl]carbonyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

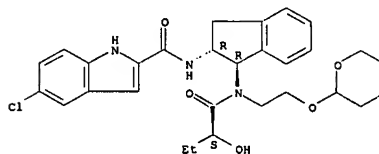


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE



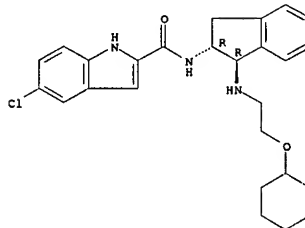
RN 846542-85-6 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[2S)-2-
hydroxy-1-oxobutyl][2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-1H-inden-
2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846542-86-7 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[2-
[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-1H-inden-2-yl]- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

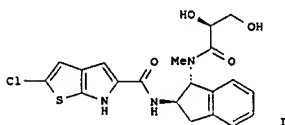
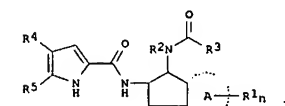


RN 846542-87-8 CAPLUS

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:177891 CAPLUS
DOCUMENT NUMBER: 142:261397
TITLE: Preparation of thieno[2,3-b]pyrrole-5-carboxamide
derivatives as glycogen phosphorylase inhibitors
INVENTOR(S): Bennett, Stuart Norman Lile; Simpson, Iain;
Wheeler, Paul Robert Owen
PATENT ASSIGNEE(S): AstraZeneca Ab, Swed.; AstraZeneca Uk Limited
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005018637	A1	20050303	WO 2004-GB3546	20040818
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			GB 2003-19759	A 20030822

OTHER SOURCE(S): MARPAT 142:261397
GI



AB Title compds. represented by the formula I [wherein A = phenylene or heteroarylene; n = 0-2; R1 = independently halo, NO2, CN, carbamoyl, etc.].

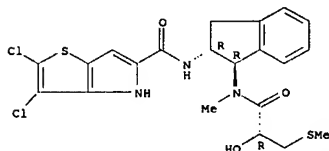
L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 R2, R3 = independently (halo)alkyl, CF3, hydroxyalkyl, etc.; R4R5 = -SC(R6):C(R7)- or -C(R7):C(R6)S-; R6, R7 = independently H, halo, OH, carboxy, etc.; and pharmaceutically acceptable salts or prodrugs thereof were prep. as glycogen phosphorylase inhibitors. For example, II was given in a multi-step synthesis starting from the reaction of Me 2-chlorothiophene-3-carboxaldehyde with Me azidoacetate. II showed plasma-protein binding activity with an IC50 value of 0.07 µM. Thus, I and their pharmaceutical compns. are useful as glycogen phosphorylase inhibitors for the treatment of disease states assoc. with increased glycogen phosphorylase activity.

IT 846545-87-7P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of thieno[2,3-b]pyrrole-5-carboxamide derivs. as glycogen phosphorylase inhibitors)

RN 846545-87-7 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-

1-[[[(2R)-2-hydroxy-3-(methylthio)-1-oxopropyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



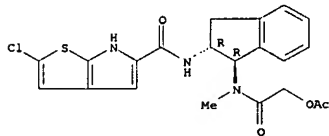
IT 846545-67-3P 846545-68-4P 846545-69-5P
 846545-70-8P 846545-71-9P 846545-72-0P
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 846545-77-5P 846545-78-6P 846545-79-7P
 846545-81-1P 846545-82-2P 846545-83-3P
 846545-84-4P 846545-85-5P 846545-86-6P
 846545-88-8P 846545-89-9P 846545-90-2P
 846545-91-3P 846545-92-4P 846545-93-5P
 846545-94-6P 846545-95-7P 846545-96-8P
 846545-97-9P 846545-98-0P 846545-99-1P
 846546-00-7P 846546-01-8P 846546-02-9P
 846546-03-0P 846546-04-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of thieno[2,3-b]pyrrole-5-carboxamide derivs. as glycogen phosphorylase inhibitors)

RN 846545-67-3 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[(methoxyacetyl)methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

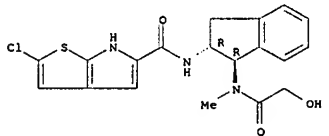
Absolute stereochemistry.

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



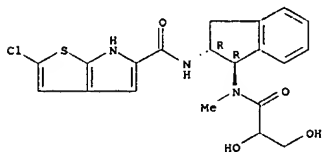
RN 846545-71-9 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[(hydroxyacetyl)methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846545-72-0 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[(2,3-dihydroxy-1-oxopropyl)methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

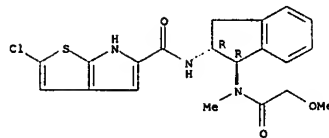
Absolute stereochemistry.



RN 846545-73-1 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[(2S)-2,3-dihydroxy-1-oxopropyl)methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

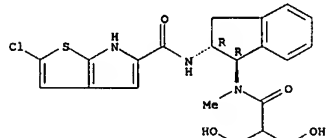
Absolute stereochemistry.

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



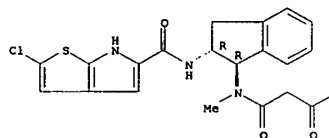
RN 846545-68-4 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-hydroxy-2-(hydroxymethyl)-1-oxopropyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846545-69-5 CAPLUS
 CN Propanoic acid, 3-[[[(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]methylamino]-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)

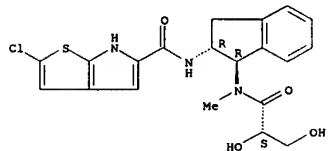
Absolute stereochemistry.



RN 846545-70-8 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[[[(acetyloxy)acetyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

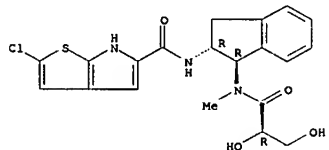
Absolute stereochemistry.

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



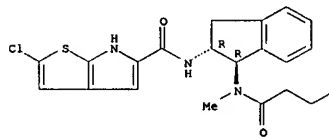
RN 846545-74-2 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[(2R)-2,3-dihydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



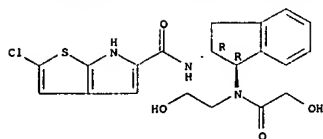
RN 846545-76-4 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-hydroxy-1-oxopropyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



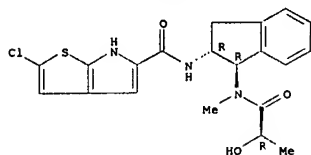
RN 846545-77-5 CAPLUS
 CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-hydroxy-1-oxopropyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



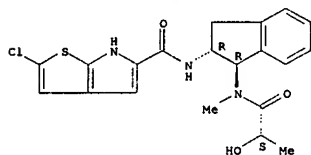
RN 846545-78-6 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[(2R)-2-hydroxy-1-oxopropyl]methylamino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



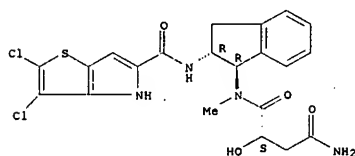
RN 846545-79-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-2-hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



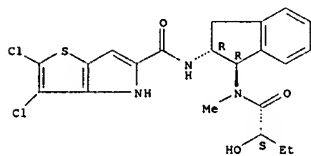
RN 846545-81-1 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-2-hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



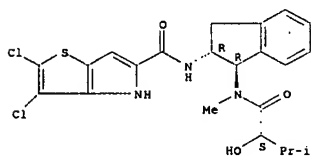
RN 846545-85-5 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

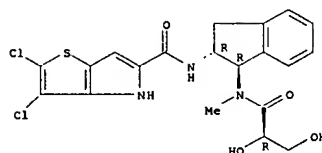


RN 846545-86-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-2-hydroxy-1-oxobutyl]methylamino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

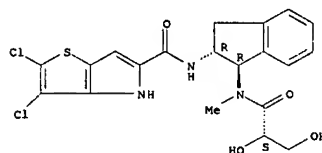


RN 846545-88-8 CAPLUS
CN Carbamic acid, [(2S)-3-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]methylamino]-2-hydroxy-3-



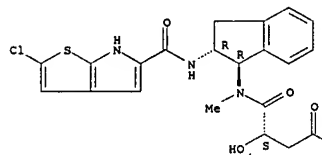
RN 846545-82-2 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-2-hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



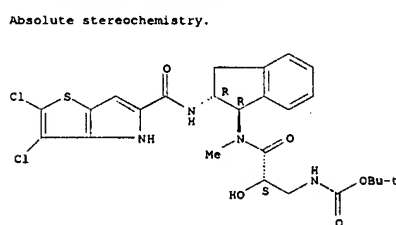
RN 846545-83-3 CAPLUS
CN Butanediamide, N1-[(1R,2R)-2-[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



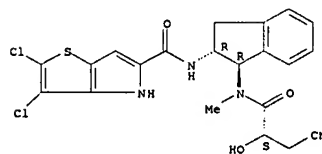
RN 846545-84-4 CAPLUS
CN Butanediamide, N1-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



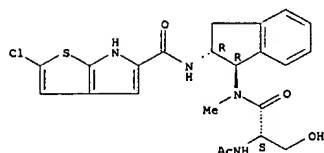
RN 846545-89-9 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(2S)-3-cyano-2-hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846545-90-2 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2S)-2-(acetylamino)-3-hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

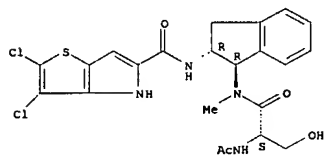
Absolute stereochemistry.



RN 846545-91-3 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
N-[(1R,2R)-1-[(2S)-2-(acetylamino)-

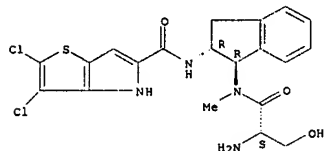
3-hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

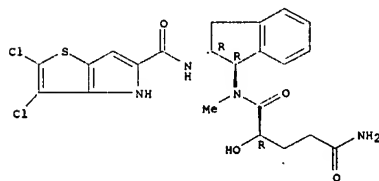


RN 846545-92-4 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2S)-2-amino-3-
hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-
monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

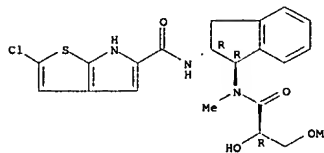


● HCl



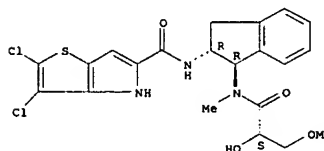
RN 846545-96-8 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-
[(2R)-2-hydroxy-3-methoxy-1-oxopropyl]methylamino]-1H-inden-2-yl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



RN 846545-97-9 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1R,2R)-2,3-dihydro-
1-[(2S)-2-hydroxy-3-methoxy-1-oxopropyl]methylamino]-1H-inden-2-yl]-
(9CI) (CA INDEX NAME)

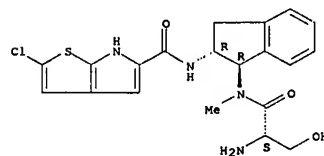
Absolute stereochemistry.



RN 846545-98-0 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1R,2R)-2,3-dihydro-

RN 846545-93-5 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2S)-2-amino-3-
hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-
monohydrochloride (9CI) (CA INDEX NAME)

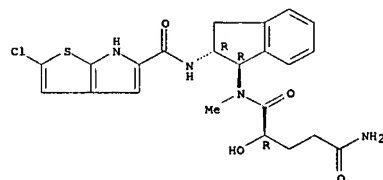
Absolute stereochemistry.



● HCl

RN 846545-94-6 CAPLUS
CN Pentanediamide, N1-[(1R,2R)-2-[(2-chloro-6H-thieno[2,3-b]pyrrol-5-
yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

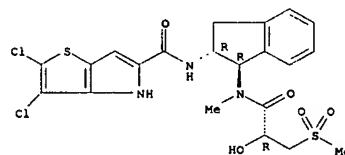


RN 846545-95-7 CAPLUS
CN Pentanediamide, N1-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-
yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1-methyl-, (2R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

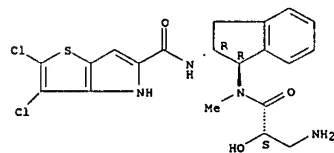
1-[(2R)-2-hydroxy-3-(methylsulfonyl)-1-oxopropyl]methylamino]-1H-inden-2-
yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846545-99-1 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2S)-3-amino-2-
hydroxy-1-oxopropyl]methylamino]-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-
monohydrochloride (9CI) (CA INDEX NAME)

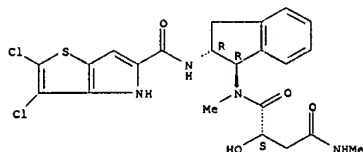
Absolute stereochemistry.



● HCl

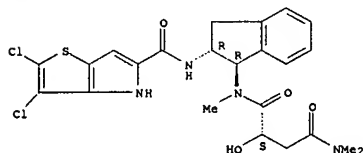
RN 846546-00-7 CAPLUS
CN Butanediamide, N1-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-
yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1,N4-dimethyl-,
(2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



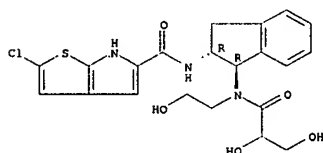
RN 846546-01-8 CAPLUS
CN Butanediamide, N1-[(1R,2R)-2-[[[(2,3-dichloro-6H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-2-hydroxy-N1,N4,N4-trimethyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

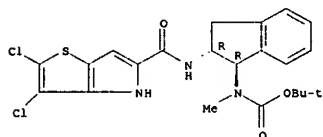


RN 846546-02-9 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(2,3-dihydroxy-1-oxopropyl)(2-hydroxyethyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

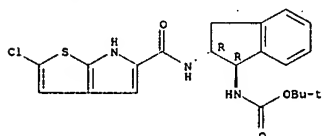


RN 846546-03-0 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(2R)-2,3-dihydroxy-1-oxopropyl](2-hydroxyethyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)



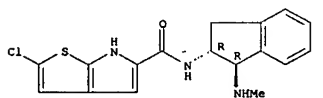
RN 596847-02-8 CAPLUS
CN Carbamic acid, [(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846546-05-2 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

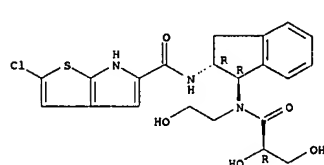
Absolute stereochemistry.



● HCl

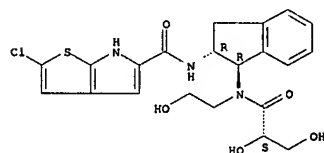
RN 846546-06-3 CAPLUS
CN Carbamic acid, [(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



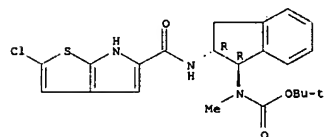
RN 846546-04-1 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(2S)-2,3-dihydroxy-1-oxopropyl](2-hydroxyethyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



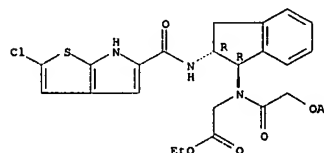
IT 403860-50-4P 596847-02-8P 846546-05-2P
846546-06-3P 846546-07-4P 846546-08-5P
846546-09-6P 846546-10-9P 846546-11-0P
846546-12-1P 846546-13-2P 846546-14-3P
846546-15-4P 846546-16-5P 846546-17-6P
846546-18-7P 846546-19-8P 846546-20-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of thieno[2,3-b]pyrrole-5-carboxamide derivs. as glycogen phosphorylase inhibitors)
RN 403860-50-4 CAPLUS
CN Carbamic acid, [(1R,2R)-2-[[[(2,3-dichloro-6H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



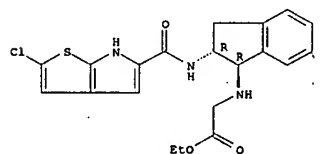
RN 846546-07-4 CAPLUS
CN Glycine, N-[(acetyloxy)acetyl]-N-[(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



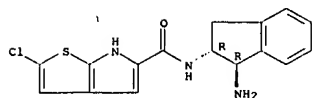
RN 846546-08-5 CAPLUS
CN Glycine, N-[(1R,2R)-2-[[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846546-09-6 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

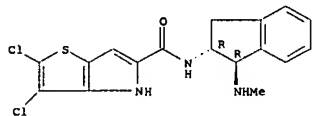
Absolute stereochemistry.



● HCl

RN 846546-10-9 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

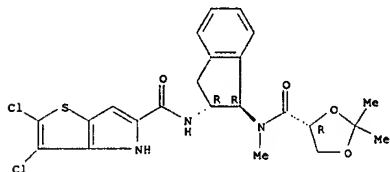
Absolute stereochemistry.



● HCl

RN 846546-11-0 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[[[(4R)-2,2-dimethyl-1,3-dioxolan-4-yl]carbonyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

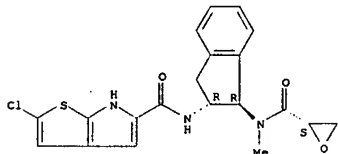
Absolute stereochemistry.



RN 846546-12-1 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[[[(4S)-2,2-dimethyl-1,3-dioxolan-4-yl]carbonyl]methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

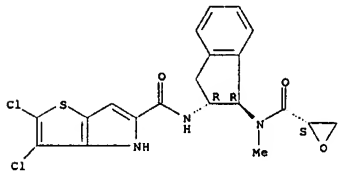
RN 846546-15-4 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[methyl[(2S)-oxiranylcabonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 846546-16-5 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[methyl[(2S)-oxiranylcabonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

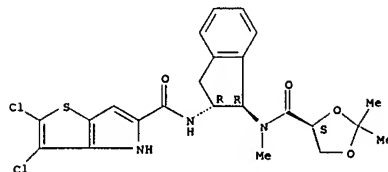


RN 846546-17-6 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(4S)-2,2-dimethyl-1,3-dioxolan-4-yl]carbonyl]2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

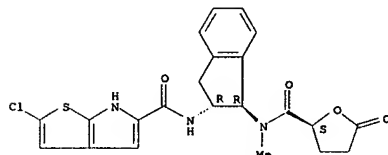
2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



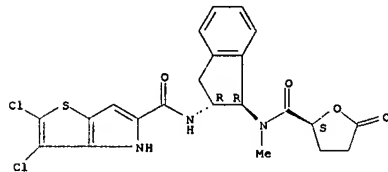
RN 846546-13-2 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[methyl[(2S)-tetrahydro-5-oxo-2-furanyl]carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



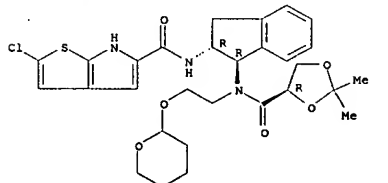
RN 846546-14-3 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[methyl[(2S)-tetrahydro-5-oxo-2-furanyl]carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



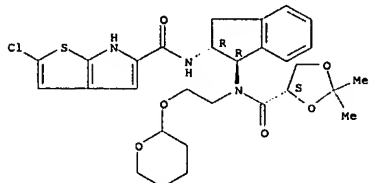
RN 846546-18-7 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(4R)-2,2-dimethyl-1,3-dioxolan-4-yl]carbonyl]2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



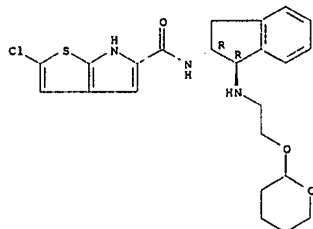
RN 846546-19-8 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[(4S)-2,2-dimethyl-1,3-dioxolan-4-yl]carbonyl]2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



(CA INDEX NAME)

Absolute stereochemistry.



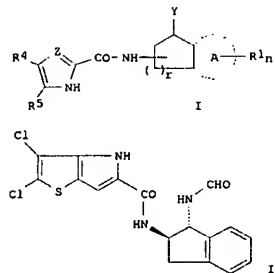
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2003:719488 CAPLUS
DOCUMENT NUMBER: 139:246010
TITLE: Preparation of heterocyclic amide derivatives having
glycosyl phosphorylase inhibitory activity
INVENTOR(S): Whitcombe, Paul Robert Owen; Bennett, Stuart Norman
PATENT ASSIGNEE(S): Lile: Simpson, Iain
SOURCE: AstraZeneca AB, Swed.; AstraZeneca UK Limited
PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 2003074531	A1	20030912	WO 2003-GB875	20030304	
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, HU, IL, IN, JP, KG, LI, LU, LV, MA, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RU, SZ, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, KD, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, CG, CI, CM, CA, GN, GO, GQ, ML, MR, NE, SN, TD, TG				
CA 2477125	AA	20030912	CA 2003-2477125	20030304	
BR 2003080145	A	20041207	BR 2003-8145	20030304	
EP 1483271	A	20041208	EP 2003-743418	20030304	
R:	BE, CH, DE, DK, ES, FR, GB, GR, IT, IL, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, MK, CY, AL, BG, BZ, EE, HU, SK				
JP 200313052	A1	20050616	JP 2003-506746	20030304	
JP 200524669	T2	20050818	JP 2003-572999	20030304	
NO 200404033	A	20041125	NO 2004-4033	20040924	
			GB 2002-5170	20030304	
PRIORITY APPLN. INFO.:			WO 2003-GB875	A 20030306	
				WO 2003-04675	20030304

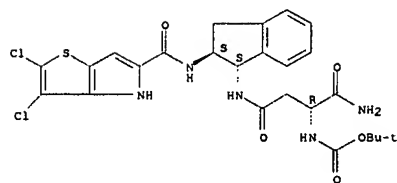
OTHER SOURCE(S) : MARPAT 139:246010
GI

1.4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



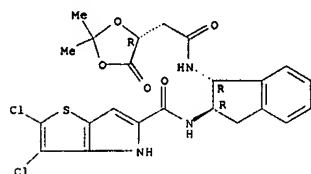
A8 Heterocyclic amides of formula I (most examples are N-indenyl)
4H-thieno[3,2-b]pyrrole-5-carboxamides, e.g. 2,3-dichloro-N-(1R',2R')-1-(formylamino)-2,3-dihydro-1H-inden-2-yl]-4H-thieno[3,2-b]pyrrole-5-carboxamide (shown as II) (Z is CH or N; R4 and R5 together are either -SC(R6):C(R7)- or -C(R7):C(R6)S; R6 and R7 = for example H, halo, Cl-4alkyl, and Cl-4alkenyl; A is phenylene or heterocyclylene; n is 0, 1
or
2; R1 = for example halo, nitro, cyano, hydroxy, carboxy; x is 1 or 2; Y is -NR2R3 or -OR3; R2 and R3 = for example H, hydroxy, aryl, heterocyclyl and Cl-4alkyl ((un)substituted by 1 or 2 R8 groups); R4 = for example H, halo, nitro, cyano, hydroxy, Cl-4alkyl, and Cl-4alkenyl; R8 = for example
R9 hydroxy, -COCOR9, -C(O)N(R9)(R10), -NHC(O)R9, (R9)(R10)N8 and -COOR9;
and R10 = for example H, hydroxy, Cl-4alkyl ((un)substituted by 1 or 2 R13); R13 = hydroxy, halo, trihalomethyl and Cl-4alkoxy) or a pharmaceutically acceptable salt or pro-drug thereof are claimed; they possess glycogen phosphorylase inhibitory activity and accordingly have value in the treatment of disease states associated with increased glycogen
glycogen phosphorylase activity (e.g. type 2 diabetes, insulin resistance, syndrome
X, hyperinsulinemia, hyperglucagonemia, cardiac ischemia, obesity). Processes for the manufacture of said heterocyclic amide derivs. and pharmaceutical compns. containing them are described. Inhibitory activity
(IC50) of I in the direction of glycogen synthesis and on glycogen degradation

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (continued)
dissolved in CH2Cl2 (5 mL), stirred for 5 min. EDCI (0.625 mmol) added
and the reaction stirred for 1 h; formic acid (1.4 mmol) and EDCI (1.25 mmol)
were added, the reaction stirred for 2 h and the volatiles removed by
evapn. under reduced pressure; workup gave 89% of the product as a white
foam. The carbamate reactant was prepd. (82 %) by deprotection of
2, 3-dichloro-5-[N-[(1R, 2R)-1-[[[N-(1, 1-dimethylethoxy)carbonyl]amino]inda
n-2-yl]carbamoyl]-4H-thieno[3, 2-b]pyrrole using trifluoroacetic acid and
this reactant was prepd. (80 %) from
5-carboxy-2, 3-dichloro-4H-thieno[3, 2-
b]pyrrole (prepn. given) and trans-2-amino-1-[[[1, 1-
dimethylethoxy]carbonyl]amino]indan (prepn. given) using DIPEA, HOBT in
CH2Cl2 followed by EDCI.
IT 596845-92-0P, N-[(1S, 2S)-1-[[[3R]-3-[(tert-Butoxycarbonyl)amino]-3-
carbamoylpropanoyl]amino]-2, 3-dihydro-1H-inden-2-yl]-2, 3-dichloro-4H-
thieno[3, 2-b]pyrrole-5-carboxamide 596845-93-1P,
2, 3-dichloro-4H-[(1R, 2R)-1-[[[4R]-2, 3-dimethoxy-5-oxo-1, 3-dioxolan-4-
yl]acetyl]amino]-2, 3-dihydro-1H-inden-2-yl]-4H-thieno[3, 2-b]pyrrole-5-
carboxamide 596845-95-3P, N-[(1R, 2R)-1-[[[2-Acetoxyacetyl]amino]-
2, 3-dihydro-1H-inden-2-yl]-2, 3-dichloro-4H-thieno[3, 2-b]pyrrole-5-
carboxamide 596846-22-9P, N-[(1R, 2R)-1-[[[2-Amino-2-
oxoethyl]amino]-2, 3-dihydro-1H-inden-2-yl]-2, 3-dichloro-4H-thieno[3, 2-
b]pyrrole-5-carboxamide 596846-23-0P, N-[(1R, 2R)-1-[[[tert-
Butoxycarbonyl]methyl]amino]-2, 3-dihydro-1H-inden-2-yl]-2, 3-dichloro-4H-
thieno[3, 2-b]pyrrole-5-carboxamide 596846-37-6P,
N-[(1R, 2R)-1-[[[2-Acetoxyacetyl]amino]-2, 3-dihydro-1H-inden-2-yl]-2-chloro-
6H-thieno[2, 3-b]pyrrole-5-carboxamide 596846-41-2P,
N-[(1S, 2S)-1-[[[2S]-2-[(tert-Butoxycarbonyl)amino]-2-
carbamoylacyl]amino]-2, 3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2, 3-
b]pyrrole-5-carboxamide 596846-44-5P, N-[(1S, 2S)-1-[[[2-[(tert-
Butoxycarbonyl)amino]acetyl]amino]-2, 3-dihydro-1H-inden-2-yl]-2-chloro-6H-
thieno[2, 3-b]pyrrole-5-carboxamide 596846-72-9P,
N-[(1R, 2R)-1-[[[tert-Butoxycarbonyl]methyl]amino]-2, 3-dihydro-1H-inden-2-
yl]-2-chloro-6H-thieno[2, 3-b]pyrrole-5-carboxamide
Bi. PAC (Pharmacological activity); RT (Reactivity); SPN (Synthetic
preparation); THU (Therapeutic); BIOL (Biological study); PREP
(Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of heterocyclic amide derivs. having
glycogen
phosphorylase inhibitory activity)
RN 596845-92-0 CAPLUS
CN Carbamic acid, [[1R]-1-(aminocarbonyl)-3-[[[(1S, 2S)-2-[[[2, 3-dichloro-4H-
thieno[3, 2-b]pyrrol-5-yl]carbonyl]amino]-2, 3-dihydro-1H-inden-1-yl]amino]-
3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
Absolute stereochemistry.



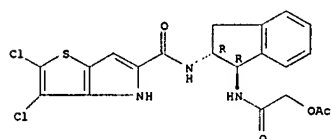
RN 596845-93-1 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-((1R,2R)-1-(((4R)-2,2-dimethyl-5-oxo-1,3-dioxolan-4-yl)acetyl)amino)-2,3-dihydro-1H-inden-2-yl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



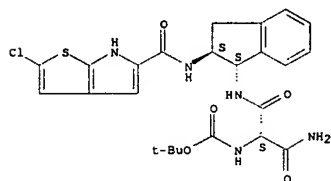
RN 596845-95-3 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-((1R,2R)-1-(((acetyloxy)acetyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



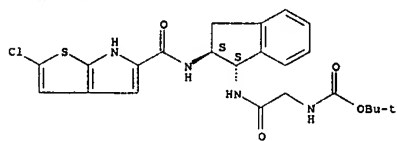
RN 596846-22-9 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-((1R,2R)-1-((2-amino-2-oxoethyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



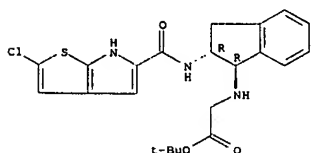
RN 596846-44-5 CAPLUS
CN Carbamic acid, [2-(((1S,2S)-2-((2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl)amino)-2,3-dihydro-1H-inden-1-yl)amino]-2-oxoethyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



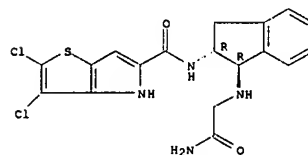
RN 596846-72-9 CAPLUS
CN Glycine, N-((1R,2R)-2-(((2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl)amino)-2,3-dihydro-1H-inden-1-yl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



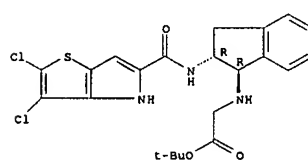
IT 403860-03-7P, 2,3-Dichloro-N-((1R,2R)-1-((methylsulfonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide

Absolute stereochemistry.



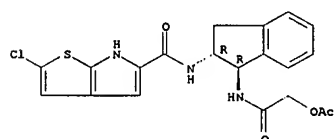
RN 596846-23-0 CAPLUS
CN Glycine, N-((1R,2R)-2-(((2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl)amino)-2,3-dihydro-1H-inden-1-yl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-37-6 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-((1R,2R)-1-(((acetyloxy)acetyl)amino)-2,3-dihydro-1H-inden-2-yl)-2-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-41-2 CAPLUS
CN Carbamic acid, [1-((1S,2S)-2-((2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl)amino)-2,3-dihydro-1H-inden-1-yl)amino]-2-oxoethyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

2,3-Dichloro-N-((1R,2R)-1-((methoxyacetyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596845-94-2P,
2,3-Dichloro-N-((1R,2R)-1-((3-methoxypropanoyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596845-96-4P,
N-((1R,2R)-1-((2-Carbamoylacetyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596845-97-5P,

2,3-Dichloro-N-((1R,2R)-1-((trifluoroacetyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596845-99-7P,
2,3-Dichloro-N-((1S,2S)-1-(((furan-2-yl)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-00-3P,
2,3-Dichloro-N-((1S,2S)-1-(((furan-3-yl)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-01-4P,
2,3-Dichloro-N-((1S,2S)-1-(((2-thienyl)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-02-5P,

2,3-Dichloro-N-((1S,2S)-1-(((5-nitrofuran-2-yl)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-03-6P,
2,3-Dichloro-N-((1S,2S)-1-(((pyridin-3-yl)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-04-7P,
N-((1S,2S)-1-(Acryloylamino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-05-8P

596846-06-9P, N-((1S,2S)-1-(Acetylamino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-07-0P, N-((1S,2S)-1-((2-Carboxyacetyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-08-1P, 2,3-Dichloro-N-((1S,2S)-1-(((dimethylamino)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-09-2P 596846-11-6P,
2,3-Dichloro-N-((1S,2S)-1-(((ethylamino)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-12-7P,
2,3-Dichloro-N-((1S,2S)-1-(((prop-2-en-1-ylamino)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-13-8P,
2,3-Dichloro-N-((1S,2S)-1-(((3,5-dinitrophenyl)amino)carbonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-14-9P,
2,3-Dichloro-N-((1S,2S)-1-(formylamino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-15-0P,
N-((1R,2R)-1-(((3R)-3-Amino-3-carbamoylpropanoyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-16-1P, N-((1R,2R)-1-(((3R)-3-Carboxy-3-hydroxypropanoyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-17-2P,
2,3-Dichloro-N-((1R,2R)-1-((hydroxyacetyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-18-3P,
2,3-Dichloro-N-((1S,2S)-1-((methylsulfonyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-20-7P,
2,3-Dichloro-N-((1S,2S)-1-((methyl(morpholin-4-yl)acetyl)amino)-2,3-dihydro-1H-inden-2-yl)-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-24-1P,
N-((1R,2R)-1-((Carboxymethyl)amino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-25-2P,
N-((1R,2R)-1-[N-Acetyl-N-(carboxymethyl)amino]-2,3-dihydro-1H-inden-2-yl)-

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide **596846-27-4P**,
 N-[(1R,2R)-1-[(Acetyl)(2-amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide
596846-28-5P, N-[(1R,2R)-1-[(Carboxymethyl)-N-(hydroxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide **596846-30-9P**,
 2-Chloro-N-[(1R,2R)-1-[(2S)-5-oxotetrahydrofuran-2-yl]carbonyl]amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-32-1P **596846-33-2P**, 2-Chloro-N-[(1R,2R)-1-

[(methoxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide **596846-34-3P**, N-[(1R,2R)-1-[(Acetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-35-4P, 2-Chloro-N-[(1R,2R)-1-[(3-methoxypropanoyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-46-7P, N-[(1R,2R)-1-[(2-Carbamoylacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-48-9P, N-[(1R,2R)-1-[(2-(tert-Butoxycarbonyl)acetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-49-0P, 2-Chloro-N-[(1R,2R)-1-[(3-hydroxy-2-(hydroxymethyl)propanoyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide **596846-51-4P**, N-[(1R,2R)-1-[(3R)-3-Amino-3-carbamoylpropanoyl]amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide trifluoroacetate **596846-54-7P**

N-[(1R,2R)-1-[(Aminoacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide trifluoroacetate **596846-56-9P**

2-Chloro-N-[(1R,2R)-1-[(2-hydroxyethyl)(phenylmethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-59-2P, 2-Chloro-N-[(1R,2R)-1-[(morpholin-4-ylacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-60-5P, 2-Chloro-N-[(1R,2R)-1-[(2-hydroxyethyl)(methyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide **596846-61-6P**,
 N-[(1R,2R)-1-[(Bis(2-hydroxyethyl)amino)acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-63-8P, 2-Chloro-N-[(1R,2R)-1-[(ethyl(2-

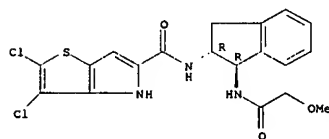
hydroxyethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide **596846-64-9P**, 2-Chloro-N-[(1R,2R)-1-

[[[(2,3-dihydroxypropyl)(methyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide **596846-66-1P**,
 N-[(1R,2R)-1-[(Bis(2-hydroxypropyl)amino)acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-68-3P, N-[(1R,2R)-1-[(2-Amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
596846-75-2P, N-[(1R,2R)-1-[(Carboxymethyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide
 trifluoroacetate **596846-77-4P**, 2-Chloro-N-[(1R,2R)-1-

[(hydroxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide **596846-79-6P**, 2,3-Dichloro-N-[(1R,2R)-1-

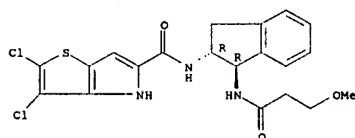
[(chloroacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-4H-thieno[3,2-b]pyrrole-5-carboxamide **596846-81-0P**, N-[(1R,2R)-1-[(3S)-3-Amino-3-carboxypropanoyl]amino]-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide **596846-85-4P**,
 N-[(1R,2R)-1-[(2-Carboxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2,3-

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



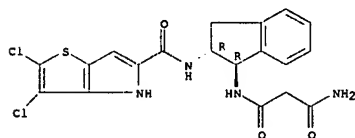
RN 596845-94-2 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[(3-methoxy-1-oxopropyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596845-96-4 CAPLUS
 CN Propanediamide, N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596845-97-5 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[(trifluoroacetyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide **596846-88-7P**,

N-[(1R,2R)-1-[(2-Carboxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[3,2-b]pyrrole-5-carboxamide **596846-91-2P**,

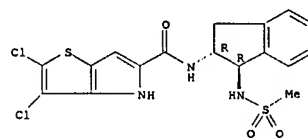
N-[(1R,2R)-1-[(3S)-3-Amino-3-carboxypropanoyl]amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[3,2-b]pyrrole-5-carboxamide
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of heterocyclic amide derivs. having glycogen phosphorylase inhibitory activity)

RN 403860-03-7 CAPLUS

CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[(methylsulfonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

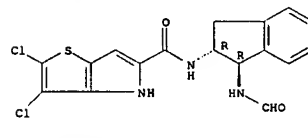
Absolute stereochemistry.



RN 596845-89-5 CAPLUS

CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-(formylamino)-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

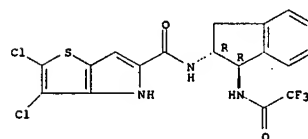


RN 596845-91-9 CAPLUS

CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[(methoxyacetyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

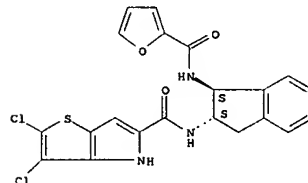
Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



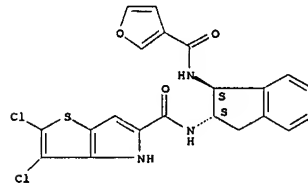
RN 596845-99-7 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-1-[(2-furanylcarbonyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



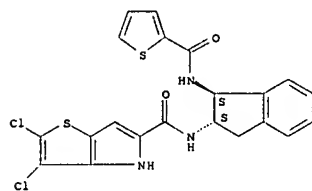
RN 596846-00-3 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-1-[(3-furanylcarbonyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



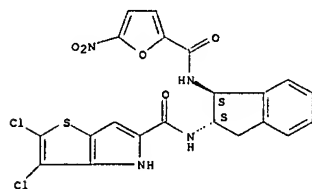
RN 596846-01-4 CAPLUS
 CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-2,3-dihydro-1-[(2-thienylcarbonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
Absolute stereochemistry.



RN 596846-02-5 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1S,2S)-2,3-dihydro-
1-[(5-nitro-2-furanyl)carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.

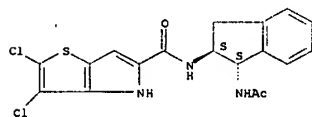


RN 596846-03-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1S,2S)-2,3-dihydro-
1-[(3-pyridinylcarbonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

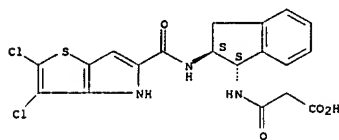
L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1S,2S)-1-(acetylamino)-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



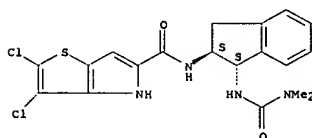
RN 596846-07-0 CAPLUS
CN Propanoic acid, 3-[[[(1S,2S)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-08-1 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-1-[[[(dimethylamino)carbonyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

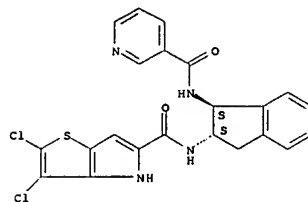
Absolute stereochemistry.



RN 596846-09-2 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1S,2S)-2,3-dihydro-
1-[(4-methyl-1-piperazinyl)carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

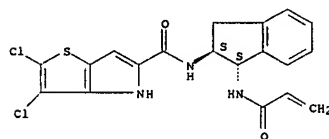
Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



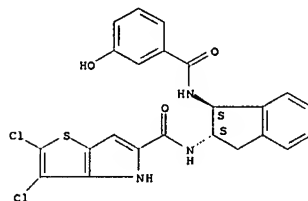
RN 596846-04-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1S,2S)-2,3-dihydro-
1-[(1-oxo-2-propenyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



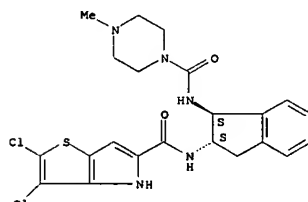
RN 596846-05-8 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1S,2S)-2,3-dihydro-
1-[(3-hydroxybenzoyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



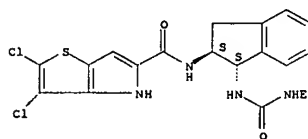
RN 596846-06-9 CAPLUS

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



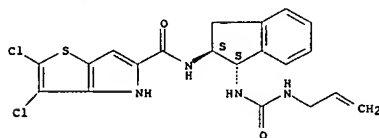
RN 596846-11-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-1-[[[ethylamino]carbonyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-12-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide,
2,3-dichloro-N-[(1S,2S)-2,3-dihydro-
1-[[[2-propenylamino]carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

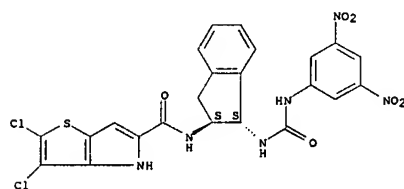


RN 596846-13-8 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-1-[[[3,5-bis(methylthio)phenyl]carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
dinitrophenylamino]carbonyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI)

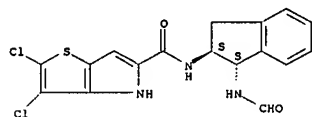
(CA INDEX NAME)

Absolute stereochemistry.



RN 596846-14-9 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-1-(formylamino)-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

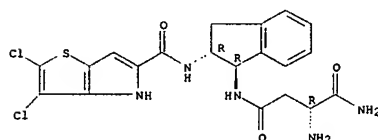


RN 596846-15-0 CAPLUS
CN Butanediamide, 2-amino-N4-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, (2R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

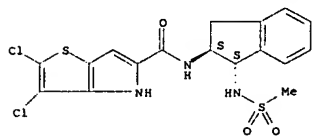
CM 1

CRN 607725-18-8
CMF C20 H19 Cl2 N5 O3 S

Absolute stereochemistry.

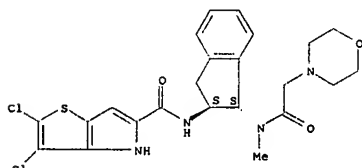


L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



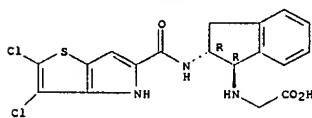
RN 596846-20-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-2,3-dihydro-1-(methyl (4-morpholinylacetyl)amino)-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-24-1 CAPLUS
CN Glycine, N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-25-2 CAPLUS
CN Glycine, N-acetyl-N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

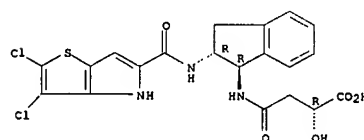
CM 2

CRN 76-05-1
CMF C2 H F3 O2



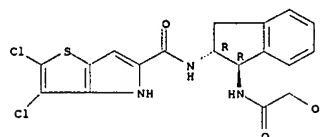
RN 596846-16-1 CAPLUS
CN Butanoic acid, 4-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-N-(hydroxyacetyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-17-2 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[(hydroxyacetyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

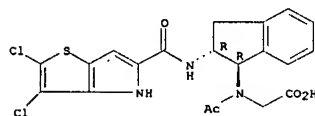
Absolute stereochemistry.



RN 596846-18-3 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1S,2S)-2,3-dihydro-1-[(methylsulfonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

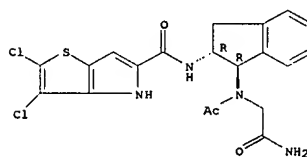
Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



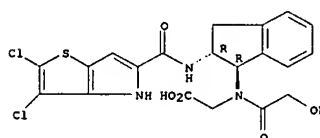
RN 596846-27-4 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-N-(hydroxyacetyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



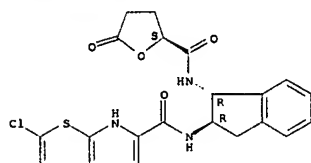
RN 596846-28-5 CAPLUS
CN Glycine, N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-N-(hydroxyacetyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



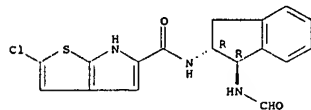
RN 596846-30-9 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[2S]-tetrahydro-5-oxo-2-furanyl]carbonyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



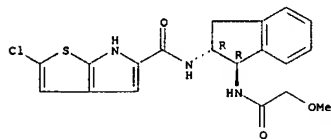
RN 596846-32-1 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide,
2-chloro-N-[(1R,2R)-1-(formylamino)-
2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



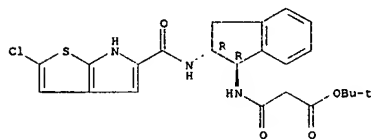
RN 596846-33-2 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-
[[methoxyacetyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



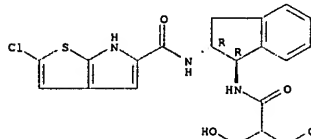
RN 596846-34-3 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-(acetylamino)-2,3-
dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-49-0 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-
[[3-hydroxy-2-(hydroxymethyl)-1-oxopropyl]amino]-1H-inden-2-yl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

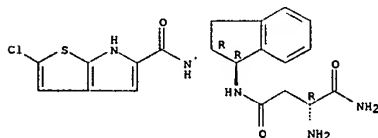


RN 596846-51-4 CAPLUS
CN Butanediamide,
2-amino-N4-[(1R,2R)-2-[[[2-chloro-6H-thieno[2,3-b]pyrrol-5-
yl]carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, (2R)-, trifluoroacetate
(9CI) (CA INDEX NAME)

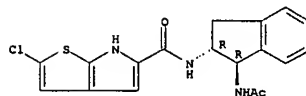
CM 1

CRN 596846-50-3
CMF C20 H20 Cl N5 O3 S

Absolute stereochemistry.

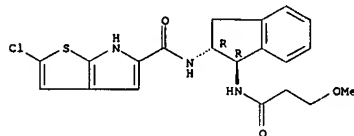


CM 2



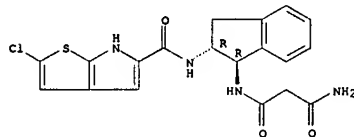
RN 596846-35-4 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-
[[3-methoxy-1-oxopropyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-46-7 CAPLUS
CN Propanediamide, N-[(1R,2R)-2-[[[2-chloro-6H-thieno[2,3-b]pyrrol-5-
yl]carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-48-9 CAPLUS
CN Propanoic acid, 3-[[[(1R,2R)-2-[[[2-chloro-6H-thieno[2,3-b]pyrrol-5-
yl]carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxo-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

CRN 76-05-1
CMF C2 H F3 O2

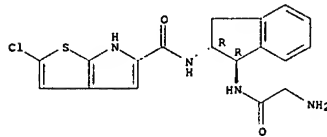


RN 596846-54-7 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(aminoacetyl]amino)-
2,3-dihydro-1H-inden-2-yl]-2-chloro-, trifluoroacetate (9CI) (CA INDEX
NAME)

CM 1

CRN 596846-53-6
CMF C18 H17 Cl N4 O2 S

Absolute stereochemistry.



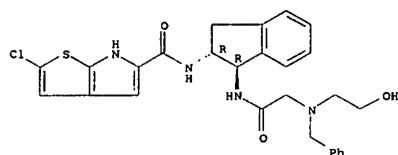
CM 2

CRN 76-05-1
CMF C2 H F3 O2



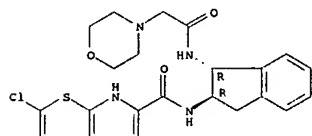
RN 596846-56-9 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-
[[[(2-hydroxyethyl) (phenylmethyl)amino]acetyl]amino]-1H-inden-2-yl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



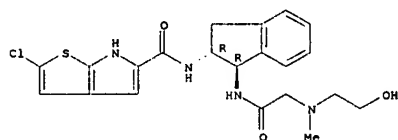
RN 596846-59-2 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[(4-morpholinylacetyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



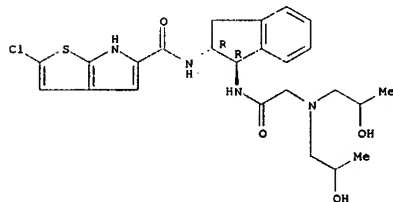
RN 596846-60-5 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[(2-hydroxyethyl)methylamino]acetyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



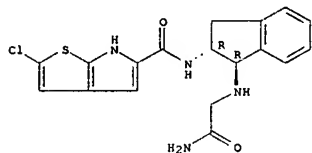
RN 596846-61-6 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[[bis(2-hydroxyethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-68-3 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[(2-amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

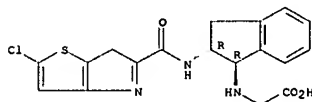


RN 596846-75-2 CAPLUS
CN Glycine, N-[(1R,2R)-2-[[[(2-chloro-6H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, trifluoroacetate (9CI) (CA INDEX NAME)

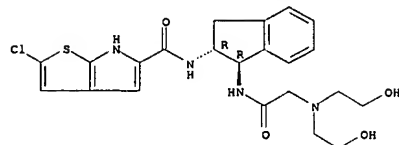
CM 1

CRN 596846-74-1
CMF C18 H16 Cl N3 O3 S

Absolute stereochemistry.

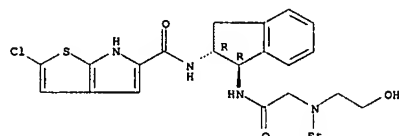


CM 2



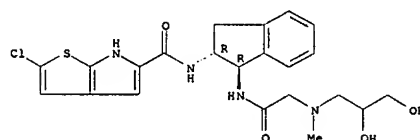
RN 596846-63-8 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[ethyl(2-hydroxyethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-64-9 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[[[di(2,3-dihydroxypropyl)methylamino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596846-66-1 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-[[[bis(2-hydroxypropyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

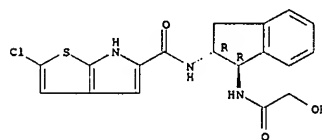
Absolute stereochemistry.

CRN 76-05-1
CMF C2 H F3 O2



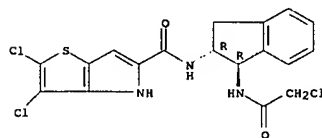
RN 596846-77-4 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-[(hydroxyacetyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



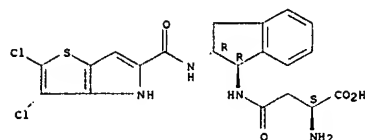
RN 596846-79-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(chloroacetyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



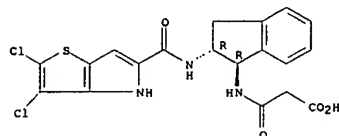
RN 596846-81-0 CAPLUS
CN L-Asparagine, N-[(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



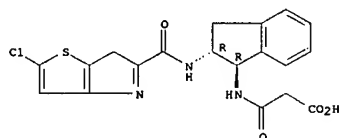
RN 596846-85-4 CAPLUS
CN Propanoic acid, 3-[[[(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxo- (9CI) (CA INDEX NAME)]

Absolute stereochemistry.



RN 596846-88-7 CAPLUS
CN Propanoic acid, 3-[[[(1R,2R)-2-[[[(2-chloro-6H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxo- (9CI) (CA INDEX NAME)]

Absolute stereochemistry.



RN 596846-91-2 CAPLUS
CN L-Asparagine, N-[[[(1R,2R)-2-[[[(2-chloro-6H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)]

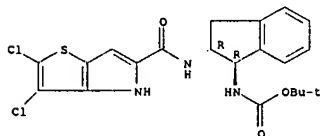
Absolute stereochemistry.

, tert-Butyl [(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]methylcarbamate 596845-90-8P, N-[[[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide trifluoroacetate 596845-98-6P, N-[(1S,2S)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-21-8P, 2,3-Dichloro-N-[(1R,2R)-1-[(chloroacetyl)(methyl)amino]-2,3-dihydro-1H-inden-2-yl]-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-26-3P, 1,1-Dimethylethyl 2-[acetyl[(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]acetate 596846-29-6P, [(Acetyloxy)acetyl][(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]acetic acid 596846-31-0P, N-[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide 596846-58-1P, 2-Chloro-N-[(1R,2R)-1-[(chloroacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide 596846-70-7P, N-[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide trifluoroacetate 596847-01-7P, 1,1-Dimethylethyl 2-[[[(acetyloxy)acetyl][(1R,2R)-2-

[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]acetate 596847-02-8P, tert-Butyl [(1R,2R)-2-[[[(2-Chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]carbamate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of heterocyclic amide derivs. having glycogen phosphorylase inhibitory activity)

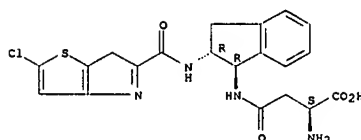
RN 403859-99-4 CAPLUS
CN Carbanic acid, [(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 403860-00-4 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 596846-10-5, N-[(1S,2S)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide trifluoroacetate
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of heterocyclic amide derivs. having glycogen phosphorylase inhibitory activity)

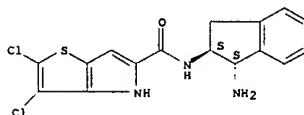
RN 596846-10-5 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1S,2S)-1-amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 596845-98-6

CMF C16 H13 Cl2 N3 O S

Absolute stereochemistry.



CM 2

CRN 76-05-1

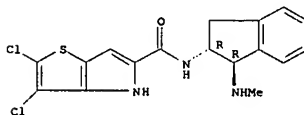
CMF C2 H F3 O2



IT 403859-99-4P, 2,3-Dichloro-5-[N-[(1R,2R)-1-[N-[(1,1-dimethylethoxy)carbonyl]amino]inden-2-yl]carbamoyl]-4H-thieno[3,2-b]pyrrole 403860-00-4P, N-[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 403860-04-8P, 2,3-Dichloro-N-[(1R,2R)-1-(methylamino)-2,3-dihydro-1H-inden-2-yl]-4H-thieno[3,2-b]pyrrole-5-carboxamide 403860-50-4P

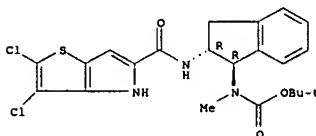
5-yl]carbamate 596845-90-8P, N-[[[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide trifluoroacetate 596845-98-6P, N-[(1S,2S)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-21-8P, 2,3-Dichloro-N-[(1R,2R)-1-[(chloroacetyl)(methyl)amino]-2,3-dihydro-1H-inden-2-yl]-4H-thieno[3,2-b]pyrrole-5-carboxamide 596846-26-3P, 1,1-Dimethylethyl 2-[acetyl[(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]acetate 596846-29-6P, [(Acetyloxy)acetyl][(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]acetic acid 596846-31-0P, N-[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide 596846-58-1P, 2-Chloro-N-[(1R,2R)-1-[(chloroacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-6H-thieno[2,3-b]pyrrole-5-carboxamide 596846-70-7P, N-[(1R,2R)-1-Amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-6H-thieno[2,3-b]pyrrole-5-carboxamide trifluoroacetate 596847-01-7P, 1,1-Dimethylethyl 2-[[[(acetyloxy)acetyl][(1R,2R)-2-

Absolute stereochemistry.



RN 403860-50-4 CAPLUS
CN Carbanic acid, [(1R,2R)-2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 596845-98-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-, trifluoroacetate (9CI) (CA INDEX NAME)

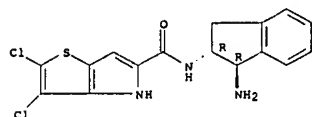
CM 1

CRN 403860-00-4

CMF C16 H13 Cl2 N3 O S

Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

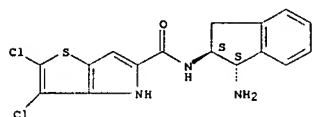


CM 2
CRN 76-05-1
CMF C2 H F3 O2



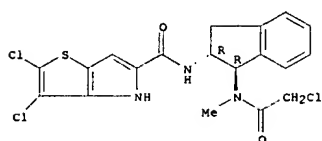
RN 596845-98-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2S)-1-amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



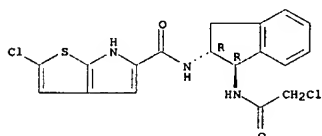
RN 596846-21-8 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-1-[(chloroacetyl)methylamino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

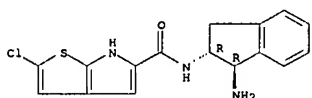
Absolute stereochemistry.



RN 596846-70-7 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2-chloro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1
CRN 596846-31-0
CMF C16 H14 Cl N3 O S

Absolute stereochemistry.



CM 2
CRN 76-05-1
CMF C2 H F3 O2



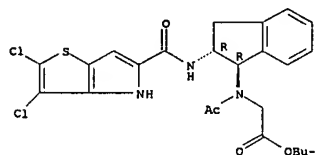
RN 596847-01-7 CAPLUS
CN Glycine, N-[(acetyloxy)acetyl]-N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

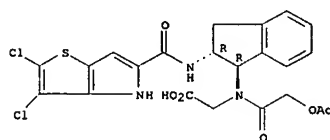
RN 596846-26-3 CAPLUS
CN Glycine, N-acetyl-N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



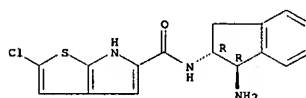
RN 596846-29-6 CAPLUS
CN Glycine, N-[(acetyloxy)acetyl]-N-[(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



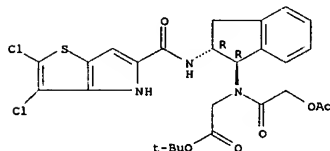
RN 596846-31-0 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



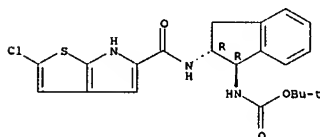
RN 596846-58-1 CAPLUS
CN 6H-Thieno[2,3-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-1-[(chloroacetyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 596847-02-8 CAPLUS
CN Carbamic acid, [(1R,2R)-2-[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



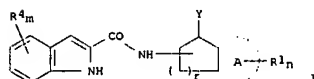
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STM
 ACCESSION NUMBER: 2003:719447 CAPLUS
 DOCUMENT NUMBER: 139:245895
 TITLE: Preparation of indolamide derivatives that possess glycogen phosphorylase inhibitory activity
 INVENTOR(S): Whittamore, Paul Robert Owen; Bennett, Stuart Norman
 Lile; Simpson, Iain
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.; AstraZeneca UK Limited
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

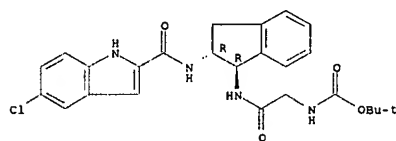
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003074484	A1	20030912	WO 2003-GB883	20030304
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CA 2477717	AA	20030912	CA 2003-2477717	20030304
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US 2005107362	A1	20050519	US 2003-506554	20030304
JP 2005524667	T2	20050818	JP 2003-572954	20030304
NO 200404032	A	20041005	NO 2004-4032	20040924
GB 2002-5176 A 20020306				
WO 2003-GB883 W 20030304				

OTHER SOURCE(S): MARPAT 139:245895
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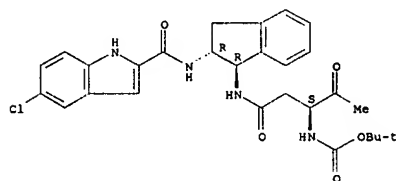
AB Heterocyclic amides of formula (I): 5-chloro-2-[N-(1-hydroxyindan-2-yl)carbamoyl]indole; A is phenylene or heteroarylene; m is 0, 1 or 2; n is 0, 1 or 2; R1 = for example halo, nitro, cyano, hydroxy, carboxy; r is 1 or 2; Y is -NR2R3 or -OR3; R2 and R3 = for example H, hydroxy, aryl, heterocyclyl and C1-4 alkyl (un)substituted by 1 or 2 R8 groups; R4 = for

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)

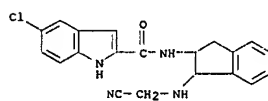


RN 597554-91-1 CAPLUS
 CN Carbanic acid, [(1S)-1-acetyl-3-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 597555-23-2 CAPLUS
 CN 1H-indole-2-carboxamide, 5-chloro-N-[1-[(cyanomethyl)amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)



RN 597555-25-4 CAPLUS
 CN 1H-indole-2-carboxamide, N-[(1R,2R)-1-[(2-amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)
 example H, halo, nitro, cyano, hydroxy, C1-4 alkyl, and C1-4 alkanoyl; R8 = for example hydroxy, -C(O)N(R9)(R10), -NHC(O)R9, (R9)(R10)N- and -COOR9; R9 and R10 = for example H, hydroxy, C1-4 alkyl (un)substituted by 1 or 2 R13; R13 = hydroxy, halo, trihalomethyl and C1-4 alkoxy) or a pharmaceutically acceptable salt or prodrug thereof are claimed. They possess glycogen phosphorylase inhibitory activity and accordingly have value in the treatment of disease states assoc. with increased glycogen phosphorylase activity, e.g. type 2 diabetes, insulin resistance, syndrome X, hyperinsulinemia, hyperglucagonemia, cardiac ischemia, obesity. Inhibitory activity (IC50) of I in the direction of glycogen synthesis and on glycogen degradn. were measure and are generally 100 µM to 1 nM; 7.4 µM for 5-chloro-N-[(1R,2R)-1-[[[(2-hydroxyethyl)(phenylmethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide in the latter assay. Processes for the manuf. of said heterocyclic amide derivs. and pharmaceutical compns. contg. them

are described. Thirty-seven example preps. and/or characterization data for I and 11 for intermediates are included. For example, to prep. 5-chloro-2-[N-(trans-1-hydroxyindan-2-yl)carbamoyl]indole, 5-chloro-1H-indole-2-carboxylic acid (0.67 mmol) was dissolved in CH2Cl2 (10 mL) contg. DIPEA (1.19 mmol) and trans-2-aminoindan-1-ol (0.67 mmol) and HATU (0.67 mmol); the reaction mixt. was stirred at room temp. for .apprx.18 h; workup gave 100 % of the desired compd. To prep. trans-2-aminoindan-1-ol, isoamyl nitrite (108 mmol) was added to a soln. of indan-1,2-dione (90 mmol) in MeOH (380 mL) at 45° followed by concd. HCl (12 mL) dropwise over 5 min; the reaction mixt. was stirred for 3 h at room temp.; workup gave indan-1,2-dione-2-oxime (43%), which (39 mmol) in EtOH (470 mL) and 4M HCl/dioxane (36 mL) was hydrogenated at room temp. and 40 psi; workup gave 86 % of the trans-2-aminoindan-1-ol. IT 597554-89-7P, 5-Chloro-N-[(1R,2R)-1-(tert-butoxycarbonylaminoacetamido)-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597554-91-1P, N-[(1R,2R)-1-[(1S)-3-[(tert-butoxycarbonyl)amino]-4-oxopentanoyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597555-23-2P,

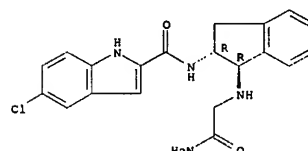
5-Chloro-N-[(1-[(cyanomethyl)amino]-2,3-dihydro-1H-inden-2-yl)-1H-indole-2-carboxamide 597555-25-4P, N-[(1R,2R)-1-[(2-Amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597555-37-8P, N-[(1R,2R)-1-[(N-(2-Acetoxyacetyl)-N-(carboxymethyl)amino)-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reagent or reagent); USES (Uses) (drug candidate; preparation of indolamide deriva. that possess

glycogen phosphorylase inhibitory activity)
 RN 597554-89-7 CAPLUS
 CN Carbanic acid, [2-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

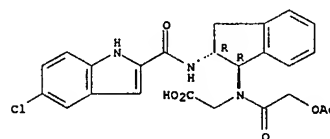
Absolute stereochemistry.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STM (Continued)



RN 597555-37-8 CAPLUS
 CN Glycine, N-(acetyloxy)acetyl]-N-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 597554-72-8P, 5-Chloro-2-[N-(trans-1-hydroxyindan-2-yl)carbamoyl]indole 597554-75-1P, 5-Chloro-N-[(1R,2R)-1-

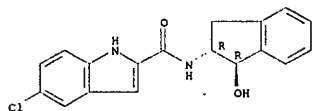
[(methylsulfonyl)amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597554-79-5P, N-[(1R,2R)-1-[(2-Carboxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597554-83-1P, 5-Chloro-N-[(1R,2R)-1-[(3-methoxypropanoyl)amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597554-87-5P, N-[(1R,2R)-1-(Acetyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597554-93-3P, N-[(1R,2R)-1-[(2-Carbamoylacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597554-95-5P, N-[(1R,2R)-1-[(2-Carboxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597554-97-7P, 5-Chloro-N-[(1R,2R)-1-[(hydroxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597554-98-8P, 5-Chloro-N-[(1R,2R)-1-[(3-hydroxy-2-(hydroxymethyl)propanoyl)amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-00-5P, N-[(1R,2R)-1-[(3R)-3-Amino-3-carbamoylpropanoyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-01-6P, N-[(1R,2R)-1-[(3R)-3-Amino-3-carbamoylpropanoyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide trifluoroacetate 597555-02-7P 597555-03-8P

N-[(1R,2R)-1-[(Aminoacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide trifluoroacetate 597555-05-0P, 5-Chloro-N-[(1S,2S)-1-[(methylsulfonyl)amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-08-3P, 5-Chloro-N-[(1-[(hydroxyacetyl)amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-11-8P, 5-Chloro-N-[(1R,2R)-1-[[[(2-

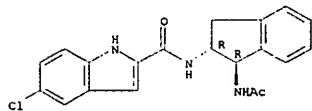
L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 hydroxyethyl (methylamino)acetyl amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-12-9P, 5-Chloro-N-[(1R,2R)-1-[[[2-hydroxyethyl (phenylmethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-13-0P, 5-Chloro-N-[(1R,2R)-1-[[[3-hydroxypiperidin-1-yl]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-14-1P, 5-Chloro-N-[(1R,2R)-1-[[[3-hydroxypyrrolidin-1-yl]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-15-2P, N-[(1R,2R)-1-[[[Bis(2-hydroxyethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597555-16-9P, N-1-[[[Aminoacetyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597555-19-6P, N-1-[[[(3S)-3-Amino-3-carboxypropionyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-20-9P, 5-Chloro-N-[(1R,2R)-1-[[[chloromethyl]sulfonyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-22-1P, 5-Chloro-N-1-[[[trifluoromethyl]sulfonyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-24-3P, 5-Chloro-N-[(1R,2R)-1-[[[1H-tetrazol-5-yl]methyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-26-5P, N-[(1R,2R)-1-[[[Carboxymethyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-28-7P, N-[(1S,2S)-1-[[Acetyl]([2-thienyl)methyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597555-30-1P, N-[(1S,2S)-1-[[N-Acetyl-N-(carboxymethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-31-2P, N-[(1S,2S)-1-[[N-Acetyl-N-[(2-ethoxycarbonyl)cycloprop-1-yl]methyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-32-3P, N-[(1R,2R)-1-[[N-Acetyl-N-(carboxymethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-34-5P, N-[(1R,2R)-1-[[Bis(carboxymethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloroindole-2-carboxamide 597555-35-6P, N-[(1R,2R)-1-[[Acetyl] (2-amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-1H-indole-2-carboxamide 597555-43-6P, 5-Chloro-N-[(1R,2R)-1-[[[(2R)-2,3-dihydroxypropyl]amino]-2,3-dihydro-1H-inden-2-yl]-1H-indole-2-carboxamide 597555-61-8P, 5-Chloro-2-[N-(1-hydroxyindan-2-yl)carbamoyl]indole
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of indolamide derivs. that possess glycogen phosphorylase inhibitory activity)

RN 597554-72-8 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-hydroxy-1H-inden-2-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

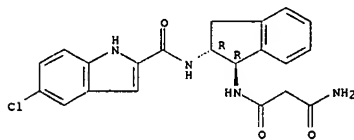


L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



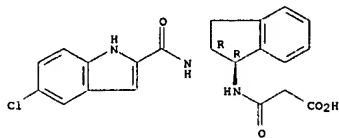
RN 597554-93-3 CAPLUS
 CN Propanediamide, N-[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 597554-95-5 CAPLUS
 CN Propanoic acid, 3-[[[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

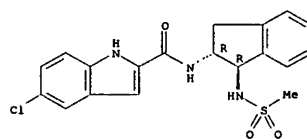


RN 597554-97-7 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-(hydroxyacetyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

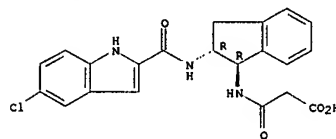
L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 RN 597554-75-1 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-(methylsulfonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



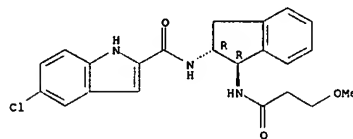
RN 597554-79-5 CAPLUS
 CN Propanoic acid, 3-[[[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]amino]-3-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



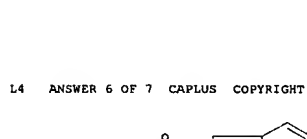
RN 597554-83-1 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-methoxy-1-oxopropyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

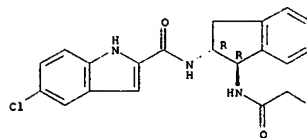


RN 597554-87-5 CAPLUS
 CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-(acetyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

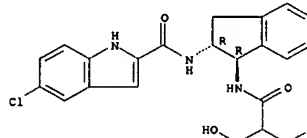


L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



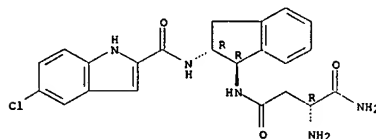
RN 597554-98-8 CAPLUS
 CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-hydroxy-2-(hydroxymethyl)-1-oxopropyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 597555-00-5 CAPLUS
 CN Butanediamide, 2-amino-N4-[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

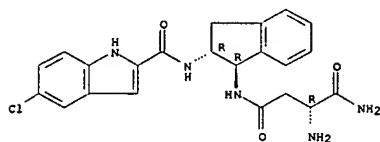


RN 597555-01-6 CAPLUS
 CN Butanediamide, 2-amino-N4-[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, (2R)-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 597555-00-5
 CMF C22 H22 Cl N5 O3

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
Absolute stereochemistry.

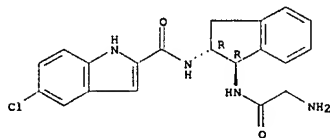


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 597555-02-7 CAPLUS
CN 1H-Indole-2-carboxamide,
N-[(1R,2R)-1-[(aminoacetyl)amino]-2,3-dihydro-1H-
inden-2-yl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

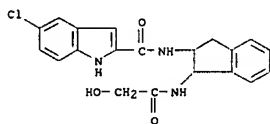


RN 597555-03-8 CAPLUS
CN 1H-Indole-2-carboxamide,
N-[(1R,2R)-1-[(aminoacetyl)amino]-2,3-dihydro-1H-
inden-2-yl]-5-chloro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1
CRN 597555-02-7
CMF C20 H19 Cl N4 O2

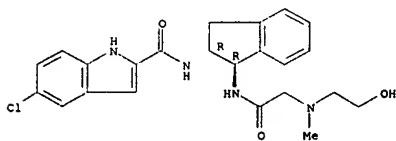
Absolute stereochemistry.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



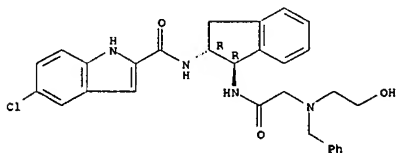
RN 597555-11-8 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[2-
hydroxyethyl)methylamino]acetyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



RN 597555-12-9 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[2-
hydroxyethyl)(phenylmethyl)amino]acetyl]amino]-1H-inden-2-yl]- (9CI) (CA
INDEX NAME)

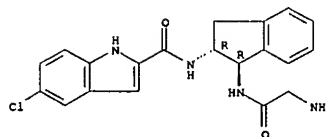
Absolute stereochemistry.



RN 597555-13-0 CAPLUS
CN 1H-Indole-2-carboxamide,
5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-hydroxy-1-
piperidinyl]acetyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

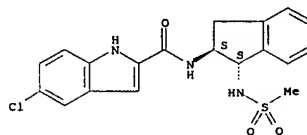


CM 2
CRN 76-05-1
CMF C2 H F3 O2



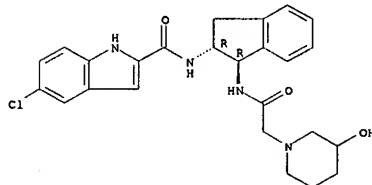
RN 597555-05-0 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1S,2S)-2,3-dihydro-1-
[(methylsulfonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



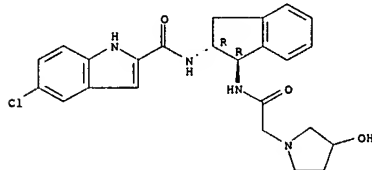
RN 597555-08-3 CAPLUS
CN 1H-Indole-2-carboxamide,
5-chloro-N-[(2,3-dihydro-1-[(hydroxyacetyl)amino]-
1H-inden-2-yl)- (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



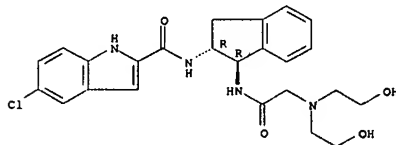
RN 597555-14-1 CAPLUS
CN 1H-Indole-2-carboxamide,
5-chloro-N-[(1R,2R)-2,3-dihydro-1-[[[3-hydroxy-1-
pyrrolidinyl]acetyl]amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

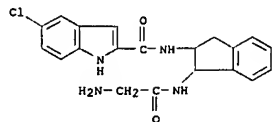


RN 597555-15-2 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-[[[bis(2-
hydroxyethyl)amino]acetyl]amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

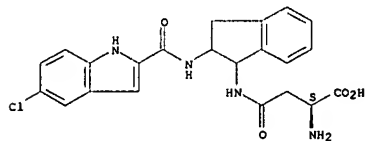


RN 597555-18-5 CAPLUS
CN 1H-Indole-2-carboxamide,
N-[(1-[(aminoacetyl)amino]-2,3-dihydro-1H-inden-2-
yl)-5-chloro- (9CI) (CA INDEX NAME)



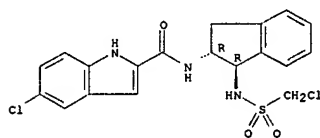
RN 597555-19-6 CAPLUS
CN L-Asparagine, N-[2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

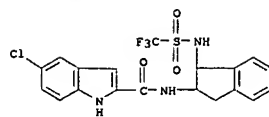


RN 597555-20-9 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-1-[(chloromethyl)sulfonyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

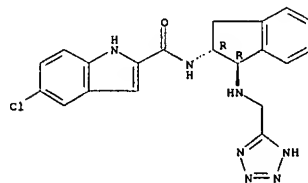


RN 597555-22-1 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1S,2S)-1-[(trifluoromethyl)sulfonyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)



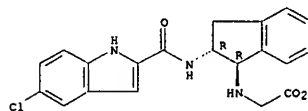
RN 597555-24-3 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2,3-dihydro-1-[(1H-tetrazol-5-ylmethyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



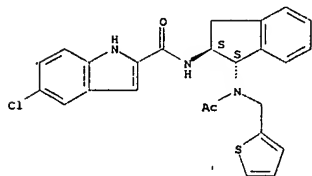
RN 597555-26-5 CAPLUS
CN Glycine, N-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



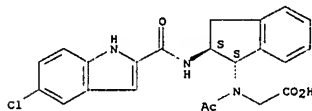
RN 597555-28-7 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1S,2S)-1-[acetyl(2-thienylmethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



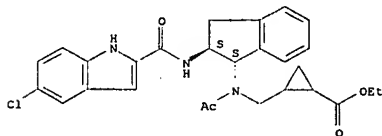
RN 597555-30-1 CAPLUS
CN Glycine, N-acetyl-N-[(1S,2S)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



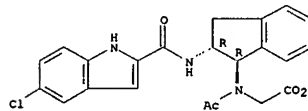
RN 597555-31-2 CAPLUS
CN Cyclopropanecarboxylic acid, 2-[(acetyl[(1S,2S)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl)amino)methyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



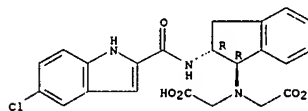
RN 597555-32-3 CAPLUS
CN Glycine, N-acetyl-N-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



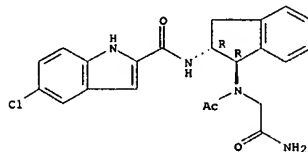
RN 597555-34-5 CAPLUS
CN Glycine, N-(carboxymethyl)-N-[(1R,2R)-2-[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 597555-35-6 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1R,2R)-1-[acetyl(2-amino-2-oxoethyl)amino]-2,3-dihydro-1H-inden-2-yl]-5-chloro- (9CI) (CA INDEX NAME)

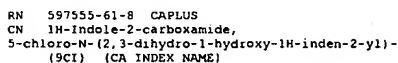
Absolute stereochemistry.



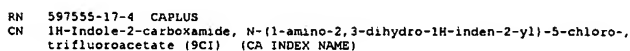
RN 597555-43-6 CAPLUS
CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-1-[(2R)-2,3-dihydroxypropyl]amino]-2,3-dihydro-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

(Continued)



(Continued)

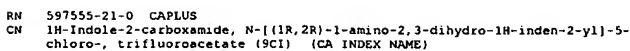


CM 1

CRN 597555-16-3
CMF C18 H16 C1 N3 O



CRN 76-05-1
CMF C2 H F3 O2



CM 1

CRN 597554-85-3
CMF C18 H16 Cl N3 O

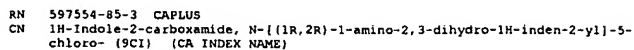
Absolute stereochemistry.

(Continued)

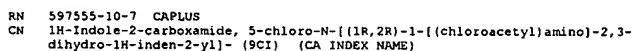
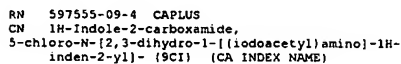
LN ANSWER 8 OF 7 CAPL
RN 597554-81-9 CAPLUS

1H-Indole-2-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-5-chloro-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



Absolute stereochemistry.

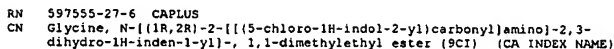


Absolute stereochemistry.

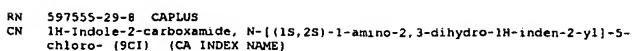
(Continued)



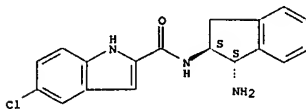
CRN 76-05-1
CMF C2 H F3 O2



Absolute stereochemistry.

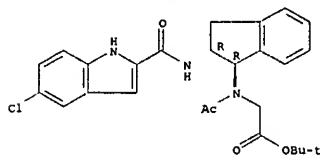


Absolute stereochemistry.



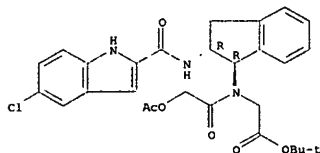
L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 RN 597555-33-4 CAPLUS
 CN Glycine, N-acetyl-N-[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

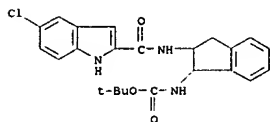


RN 597555-39-0 CAPLUS
 CN Glycine, N-[(acetyloxy)acetyl]-N-[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

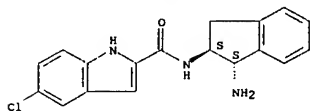


RN 597555-46-9 CAPLUS
 CN Carbamic acid, [2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 597555-50-5 CAPLUS
 CN Carbamic acid, [(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 Absolute stereochemistry.



CM 2

CRN 76-05-1
 CMF C2 H F3 O2

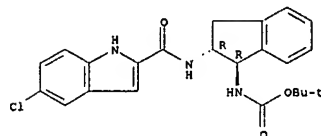


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

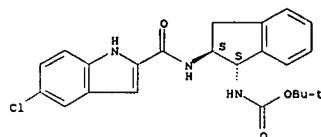
L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

Absolute stereochemistry.



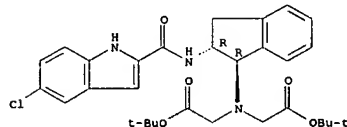
RN 597555-53-8 CAPLUS
 CN Carbamic acid, [(1S,2S)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 597555-59-4 CAPLUS
 CN Glycine, N-[(1R,2R)-2-[[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-N-(2-(1,1-dimethylethoxy)-2-oxoethyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 597556-42-8 CAPLUS
 CN 1H-Indole-2-carboxamide, N-[(1S,2S)-1-amino-2,3-dihydro-1H-inden-2-yl]-5-chloro-, trifluoroacetate (9CI) (CA INDEX NAME)

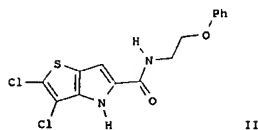
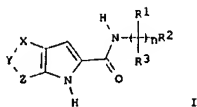
CM 1

CRN 597555-29-8
 CMF C18 H16 Cl N3 O

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2002:185126 CAPLUS
 DOCUMENT NUMBER: 136:247485
 TITLE: Preparation of bicyclic pyrrolyl amides as glycogen phosphorylase inhibitors
 INVENTOR(S): Bartlett, Julie B.; Freeman, Sue; Kenny, Peter; Morley, Andrew; Whitcombe, Paul
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
 SOURCE: PCT Int. Appl., 141 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002020530	A1	20020314	WO 2001-SE1880	20010831
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2001082833	A5	20020322	AU 2001-82833	20010831
EP 1317459	A1	20030611	EP 2001-961577	20010831
EP 1317459	B1	20040407		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001013606	A	20030624	BR 2001-13606	20010831
JP 2004508376	T2	20040318	JP 2002-525151	20010831
AT 263772	E	20040415	AT 2001-961577	20010831
NZ 524011	A	20040827	NZ 2001-524011	20010831
PT 1317459	T	20040831	PT 2001-961577	20010831
ES 2217183	T3	20041101	ES 2001-1961577	20010831
EE 200300083	A	20041215	EE 2003-93	20010831
ZA 2003001013	A	20040505	ZA 2003-1013	20030205
US 2003232875	A1	20031218	US 2003-344506	20030210
NO 2003001024	A	20030305	NO 2003-1024	20030305
BG 107624	A	20040130	BG 2003-107624	20030310
HK 1055299	A1	20041021	HK 2003-107519	20031016
PRIORITY APPLN. INFO.:			GB 2000-21831	A 20000906
			WO 2001-SE1880	W 20010831

OTHER SOURCE(S): MARPAT 136:247485
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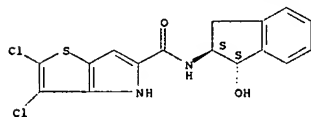
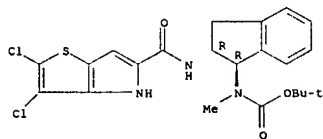
AB Title compds. I [R1 = H, halo, NO2, CN, OH, (un)substituted alkyl, alkenyl, etc.; R2 = H, halo, NO2, CH2F, CHF2, CF3, amino, alkyl, alkenyl, alkoxy, etc.; R3 = H, alkyl; -X-Y-Z- is selected from -S-CR4=CR5-, -CR4=CR5-S-, -O-CR4=CR5-, -CR4=CR5-O-, -N-CR4-S-, -S-CR4=N-, -NR3-CR4=CR5- wherein R4 and R5 = independently H, halo, CN, alkyl, ureido, NO2, etc.; n = 0-4] or a pharmaceutically acceptable salt or an

in vivo hydrolyzable ester thereof were prepared possessing glycogen phosphorylase inhibitory activity (no data). Thus, II was prepared by amidation of 5-carboxy-2,3-dichloro-4H-thieno[3,2-b]pyrrole with 2-phenoxyethylamine. As glycogen phosphorylase inhibitors, I have value in the treatment of disease states associated with increased glycogen phosphorylase activity, e.g., type 2 diabetes. Pharmaceutical compns. containing I are described.

IT 403860-50-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of thienopyrrolyl amides as glycogen phosphorylase inhibitors)

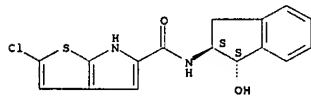
RN 403860-50-4 CAPLUS
CN Carbamic acid, [(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl)methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

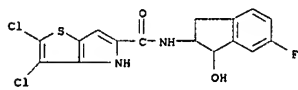


RN 403859-86-9 CAPLUS
CN 6H-Thieno[3,2-b]pyrrole-5-carboxamide, 2-chloro-N-[(1R,2R)-2,3-dihydro-1-hydroxy-1H-inden-2-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

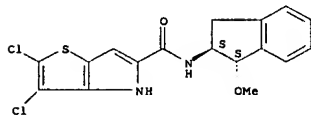


RN 403859-88-1 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-(6-fluoro-2,3-dihydro-1-hydroxy-1H-inden-2-yl)- (9CI) (CA INDEX NAME)



RN 403859-98-3 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-methoxy-1H-inden-2-yl]-, rel- (9CI) (CA INDEX NAME)

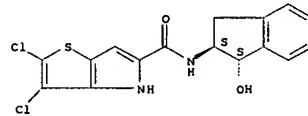
Relative stereochemistry.



RN 403859-99-4 CAPLUS
CN Carbamic acid, [(1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

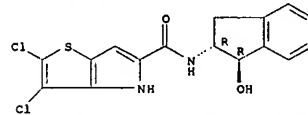
IT 403859-84-7P 403859-85-8P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation of thienopyrrolyl amides as glycogen phosphorylase inhibitors)
RN 403859-84-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2S)-2,3-dihydro-1-hydroxy-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 403859-85-8 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-hydroxy-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

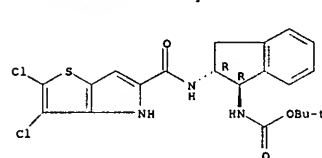
Absolute stereochemistry.



IT 403859-83-6P 403859-86-9P 403859-88-1P
403859-98-3P 403859-99-4P 403860-01-5P
403860-02-6P 403860-03-7P 403860-05-9P
403860-06-0P 403860-69-5P 403860-70-8P
403860-72-0P 403860-73-1P 403860-74-2P
403860-75-3P 403860-76-4P 403860-78-6P
403860-79-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation of thienopyrrolyl amides as glycogen phosphorylase inhibitors)

RN 403859-83-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-hydroxy-1H-inden-2-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

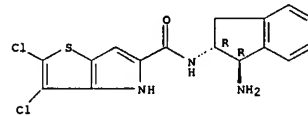


RN 403860-01-5 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-amino-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 403860-00-4
CMF C16 H13 Cl2 N3 O S

Absolute stereochemistry.



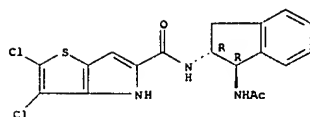
CM 2

CRN 76-05-1
CMF C2 H F3 O2



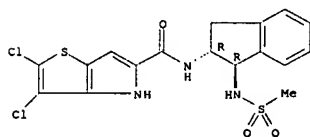
RN 403860-02-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-(acetamino)-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 403860-03-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-[(methylsulfonyl)amino]-1H-inden-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

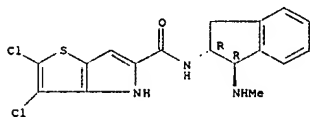


RN 403860-05-9 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(1R,2R)-2,3-dihydro-1-(methylamino)-1H-inden-2-yl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

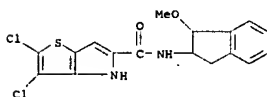
CRN 403860-04-8
CMF C17 H15 Cl2 N3 O S

Absolute stereochemistry.

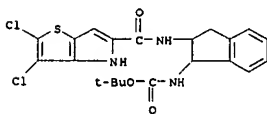


CM 2

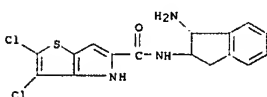
CRN 76-05-1
CMF C2 H F3 O2



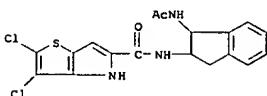
RN 403860-73-1 CAPLUS
CN Carbamic acid, [2-[[[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 403860-74-2 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-(1-amino-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro- (9CI) (CA INDEX NAME)



RN 403860-75-3 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-(1-(acetylamino)-2,3-dihydro-1H-inden-2-yl)-2,3-dichloro- (9CI) (CA INDEX NAME)

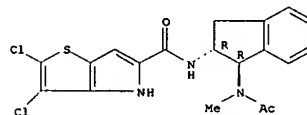


RN 403860-76-4 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(2,3-dihydro-1-[(methylsulfonyl)amino]-1H-inden-2-yl)- (9CI) (CA INDEX NAME)

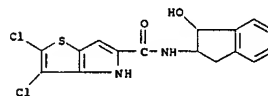


RN 403860-06-0 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-(acetylmethylamino)-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro- (9CI) (CA INDEX NAME)

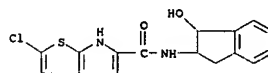
Absolute stereochemistry.



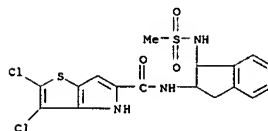
RN 403860-69-5 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(2,3-dihydro-1-hydroxy-1H-inden-2-yl)- (9CI) (CA INDEX NAME)



RN 403860-70-8 CAPLUS
CN 6H-Thieno[3,2-b]pyrrole-5-carboxamide, 2-chloro-N-[(2,3-dihydro-1-hydroxy-1H-inden-2-yl)- (9CI) (CA INDEX NAME)



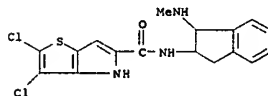
RN 403860-72-0 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(2,3-dihydro-1-methoxy-1H-inden-2-yl)- (9CI) (CA INDEX NAME)



RN 403860-78-6 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, 2,3-dichloro-N-[(2,3-dihydro-1-(methylamino)-1H-inden-2-yl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 403860-77-5
CMF C17 H15 Cl2 N3 O S

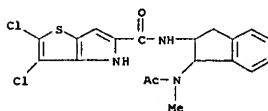


CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 403860-79-7 CAPLUS
CN 4H-Thieno[3,2-b]pyrrole-5-carboxamide, N-[(1R,2R)-1-(acetylmethylamino)-2,3-dihydro-1H-inden-2-yl]-2,3-dichloro- (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT